

# **Historic, Archive Document**

Do not assume content reflects current  
scientific knowledge, policies, or practices.





Reserve  
1.96  
R31Fon

# **WATER SUPPLY OUTLOOK FOR NEVADA**

U.S.D. - 16-7000-1000  
NATIONAL SOIL CONSERVATION SERVICE

APR 26 1967

CURRENT SOIL SURVEYS

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

UNITED STATES DEPARTMENT of AGRICULTURE--SOIL CONSERVATION SERVICE,  
and

NEVADA DEPARTMENT of CONSERVATION and NATURAL RESOURCES  
DIVISION of WATER RESOURCES

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed on the last page of this report.

AS OF  
**MAR. 1, 1967**

## TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season as they affect runoff will add to be an effective average. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data or reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Listed below are water supply outlook reports based on Federal-State-Private Cooperative snow surveys. Those published by the Soil Conservation Service may be obtained from Soil Conservation Service, Room 507, Federal Building, 701 N. W. Glisan, Portland, Oregon 97209.

### PUBLISHED BY SOIL CONSERVATION SERVICE

D. A. WILLIAMS, Administrator

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 507, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85205
Colorado (N. Mex.)	12417 Federal Building, Denver, Colorado 80202
Idaho	P. O. Box 38, Boise, Idaho 83701
Montana	P. O. Box 855, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4001 Federal Building, Salt Lake City, Utah 84111
Washington	840 Bon Marche Bldg., Spokane, Washington 99206
Wyoming	P. O. Box 340, Casper, Wyoming 82602

### PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



# WATER SUPPLY OUTLOOK for NEVADA

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

*Report Issued by*

CHARLES W. CLEARY, JR.

STATE CONSERVATIONIST  
SOIL CONSERVATION SERVICE  
RENO, NEVADA

ELMO J. DE RICCO

DIRECTOR  
DEPARTMENT OF CONSERVATION AND  
NATURAL RESOURCES  
CARSON CITY, NEVADA

MARCH 8, 1967

*Prepared by*

BOB L. WHALEY

SNOW SURVEY SUPERVISOR

ROY E. MALSOR, JR.

ASSISTANT  
SNOW SURVEY SUPERVISOR

SOIL CONSERVATION SERVICE  
P. O. BOX 4850  
RENO, NEVADA





# TABLE OF CONTENTS

	PAGE
ALPHABETICAL INDEX TO NEVADA SNOW COURSES .....	REVERSE SIDE TABLE CONTENTS PAGE
MAP AND INDEX OF NEVADA SNOW COURSES (BY BASINS) ...	FACING PAGE 1
WATER SUPPLY OUTLOOK FOR NEVADA .....	1
SUMMARY OF FORECASTS .....	2
SUMMARY OF RESERVOIR STATUS .....	3
RADIO REPORTING SNOW PRESSURE PILLOWS (GRAPHS) .....	4
GRAPHICAL SNOW COVER COMPARISON .....	PLATE 1
WATER SUPPLY OUTLOOK IN:	
NORTH TRUCKEE, FERNLEY & WASHOE VALLEY SCD'S, WASHOE, STOREY, & LYON COUNTIES.....	PLATE 2
CARSON VALLEY SCD, NEVADA & ALPINE SCD, CALIFORNIA.....	PLATE 3
STILLWATER, SHECKLER, LAHONTAN SCD'S, & VICINITY, CHURCHILL COUNTY.....	PLATE 4
SMITH & MASON VALLEY SCD'S, NEVADA & EAST WALKER & MONO COUNTY SCD'S, CALIFORNIA.....	PLATE 5
CENTRAL AND SOUTHERN NEVADA, CLARK, ESMERALDA, EUREKA, LANDER, LINCOLN, MINERAL & NYE COUNTIES.....	PLATE 6
WHITE PINE SCD, WHITE PINE, LINCOLN & NYE COUNTIES.....	PLATE 7
CLOVER & RUBY SCD'S, ELKO COUNTY.....	PLATE 8
NORTHEAST ELKO SCD, ELKO COUNTY.....	PLATE 9
DUCK VALLEY & OWYEE SCD'S, ELKO COUNTY.....	PLATE 10
HUMBOLDT RIVER.....	PLATE 11
KINGS RIVER, PARADISE VALLEY & QUINN RIVER SCD'S.....	PLATE 12
VYA & GERLACH SCD'S, NEVADA & SURPRISE VALLEY SCD, CALIFORNIA.....	PLATE 13
LIST OF COOPERATORS .....	INSIDE BACK COVER

# ALPHABETICAL INDEX TO NEVADA SNOW COURSES

This alphabetical tabulation of snow courses has been prepared to provide readers with rapid access to basic snow survey data. The reader is referred to the "Index to Nevada Snow Courses by basins" and "Nevada Snow Courses" map on the next page for other detailed information such as location, elevation, basin and sub-basin, state and numbering system legend.

SNOW COURSE	NO.	PLATE	SNOW COURSE	NO.	PLATE
AMERICAN BEAUTY	15J17a	8, 11	LAMOILLE #1	15J4	8, 11
BAKER #1	14L1	7	LAMOILLE #2	15J5	8, 11
BAKER #2	14L2	7	LAMOILLE #3	15J6M	8, 11
BAKER #3	14L3	7	LAMOILLE #4	15J7	8, 11
BALO MOUNTAIN	19H1	13	LAMOILLE #5	15J8	8, 11
BARBER CREEK	20H5	13	LAPON MEADOW	18L1	5
BEAR CREEK	15H1MA	10, 11	LAUREL ORAW	16H5	10
BERRY CREEK	14K2	7	LEAVITT MEADOWS	19L8	5
BIG BENO	15H4MP	10, 11	LEE CANYON #1	15N4	6
BIG CREEK CAMPGROUND	17K1	6	LEE CANYON #2	15N3	6
BIG CREEK MINE	17K2	6	LEE CANYON #3	15N8	6
BIG CREEK, UPPER	17K3	6	LITTLE BALLY MTN.	19H4a	13
BIRO CREEK	14K1	7	LITTLE VALLEY	19K3	2
BLUE LAKES	19L5	3, 4	LOBOELL LAKE	19L17a	5
BOCA #2	20K14	2, 4	LOUSE CANYON	17G4a	12
BROCKWAY SUMMIT	20K22	2	LOWER CORRAL	17L1	6
BUCKEYE FORKS	19L11	5	MARLETTE LAKE	19K4M	2, 3
BUCKEYE ROUGHS	19L10	5	MARTIN CREEK	17H3	11, 12
BUCKSKIN, LOWER	17H2	11, 12	MATHEW CANYON	14M1	10
BUCKSKIN, UPPER	17H1	11, 12	MERRITT MTN.	15H20	6
CAMPITO MOUNTAIN	18M2	6	MIOAS	16H3AP	10, 11
CARSON PASS, UPPER	19L4	3, 4	MONTGOMERY PASS	18M1	6
CAVE CREEK	15J13	7, 8, 11	MT. GRANT	18L2	5
CEGAR PASS	20H6	13	MT. ROSE	19K2	2
CENTER MOUNTAIN	19L12A	5	MURRAY SUMMIT	14K3	7
CHIATOVICH FLAT	18M5	6	OREGON CANYON	17G5a	12
CLARK CANYON	15N2	6	PINCHOT CREEK	18M3a	6
CLEAR CREEK	19K5	3, 4	PINE CANYON	14M2	6
COLUMBIA BASIN	16H6a	10	PIUTE PASS	18M4a	6
CORRAL CANYON	15J12A	8, 11	POISON FLAT	19L6A	3, 4
OAGGETTS PASS	19L14	2, 3, 4	POLE CANYON	15J18a	8, 11
DENIO CREEK	18G6a	12	POLE CREEK R. 5.	15H14	9
DISASTER PEAK	18H1	12	QUINN RIOGE	17H6a	12
OISMAL SWAMP	20H3a	13	RAINBOW CANYON #2	15N7	6
OONNER PARK #2	20K21	2	REG POINT	15H18a	9
OONNER SUMMIT	20K10	2, 4	RESERVATION CREEK	20H4	13
ORSEY BASIN	15J1MP	8, 11	RICHARSONS #2	20L3	2
ORY CREEK	15J3	8, 11	ROBINSON LAKE	15J16a	8, 11
EAGLE PEAK	20H7	13	ROBINSON SUMMIT	15K1	7
EBBETTS PASS	19L19a	3	ROOGE FLAT	15H6MP	10, 11
ECHO SUMMIT	20L5	2, 3, 4	RUBICON #1	20L1	2
FAWN CREEK	16H8a	10	RUBICON #2	20L2	2
FORDYCE LAKE	20K7	2, 4	RYAN RANCH	15J2	8, 11
49-MTN.	19H3	13	SAGE HEN CREEK	20K6	2, 4
FOX CREEK	15H2	10	76 CREEK	15H3A	10, 11
FREEL BENCH	19L2	2	SILVER CREEK #2	14K7	7
FRY CANYON	15H7	10, 11	SONORA PASS	19L7M	3, 5
FURNACE FLAT	20K8	2, 4	SQAW VALLEY #2	20K19	2
GLENBROOK #2	19K6	2, 3	STAG MTN.	15H19a	10, 11
GOAT CREEK	15H13	9	TAHOE CITY	20K16	2, 4
GOLCONOA #2	17J2	11	TAYLOR CANYON	15H9MP	10, 11
GOLO CREEK	15H5	10, 11	TIOGA PASS	19M1	5
GRANITE PEAK	17H4	11, 12	TOE JAM	16H7a	10, 11
GREEN MOUNTAIN	15J9MP	8, 11	TREMEWAN RANCH	15H8	10, 11
HAGANS MEADOW	19L3M	2, 4	TROUGH SPRINGS	15N1	6
HAGER CANYON	15J14	7, 8, 11	TROUT CREEK	18G5a	12
HARRISON PASS #1	15J10	8, 11	TROUT CREEK, LOWER	15H10P	8, 11
HARRISON PASS #2	15J11	8, 11	TROUT CREEK, UPPER	15H11A	8, 11
HAYS CANYON	19H2	13	TRUCKEE #2	20K13M	2
HOLE-IN-MOUNTAIN	15J15	8, 11	UPPER CORRAL	17L2	6
HUMMINGBIRD SPRINGS	15H15A	9, 11	UPPER FISH VALLEY	19L16a	3
INDEPENDENCE CAMP	20K4M	2, 4	UPPER TRUCKEE	19L1	2
INDEPENDENCE CREEK	20K3	2	VIRGINIA LAKES	19L13M	5
INDEPENDENCE LAKE	20K5	2	WARD CREEK	20K17M	2, 4
JACK CREEK, LOWER	16H1M	10, 11	WARD MOUNTAIN #2	14K5	7
JACK CREEK, UPPER	16H2A	10, 11	WEBBER LAKE	20K2	2
JACKS PEAK	16H4	10, 11	WEBBER PEAK	20K1	2
JAKES CREEK	14H1	9	WET MEADOWS LAKE	19L18a	3
KALAMAZOO CREEK	14K8	7	WHITE RIVER #1	15L1	7
KYLE CANYON	15N5	6	WILLOW FLAT	19L9	5
LAKE LUCILLE	20L4	2	WOLF CREEK	19L20a	3
LAMANCE CREEK	17H5	11, 12			



# INDEX TO NEVADA SNOW COURSES

( By Basins )

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
--------	------	------	------	------	-------

## SLAKE RIVER BASIN

### SLAKE RIVER

15H1MA	BEAR CREEK	31	46N	58E	7800
15H2	FOX CREEK	33	46N	58E	6800
15H13	GOAT CREEK	31	46N	60E	8900
15H15A	HUMMINGBIRD SPRINGS	6	45N	60E	8945
14H1	JACKS CREEK	6	42N	62E	7000
15H20a	MERRITT MOUNTAIN	10	46N	54E	7000
15H14	POLE CREEK RANGER STATION	13	46N	59E	8330
15H18a	REG POINT	15	47N	61E	7940
15H3A	76 CREEK	6	44N	58E	7100
15H19a	STAG MTN.	29	41N	58E	7800

### OWYHEE RIVER

15H4MP	BIG BEND	30	45N	56E	6700
16H6a	COLUMBIA BASIN	31	44N	53E	6650
16H8a	FAWN CREEK	2	45N	52E	7000
15H5	GOLD CREEK	32	45N	56E	6600
16H1M	JACK CREEK, LOWER	18	42N	53E	6800
16H2A	JACK CREEK, UPPER	9	42N	53E	7250
16H4	JACKS PEAK	28	42N	53E	8420
16H5	LAUREL CREEK	20	45N	53E	6700
17G4a	LOUSE CANYON (OREG.)	27	40S	44E	6440
15H9MP	TAYLOR CANYON	35	39N	53E	6200

## INTERIOR

### UPPER HUMBOLDT RIVER

15J17a	AMERICAN BEAUTY	32	31N	58E	7800
16H6a	COLUMBIA BASIN	31	44N	53E	6650
15J12A	CORRAL CANYON	27	28N	57E	8500
15J1MP	DOORSEY BASIN	28	35N	60E	8100
15J3	ORY CREEK	5	34N	60E	6500
15H7	FRY CANYON	31	43N	54E	6700
15J9MP	GREEN MOUNTAIN	23	29N	57E	8000
15J10	HARRISON PASS #1	9	28N	57E	6600
15J11	HARRISON PASS #2	16	28N	57E	7400
15J4	LAMOILLE #1	15	32N	58E	7100
15J5	LAMOILLE #2	14	32N	58E	7300
15J6M	LAMOILLE #3	24	32N	58E	7700
15J7	LAMOILLE #4	19	32N	59E	8000
15J8P	LAMOILLE #5	31	32N	59E	8700
15J18a	POLE CANYON	31	35N	61E	9140
15J16a	ROBINSON LAKE	23	33N	59E	9200
15H6MP	ROOEO FLAT	36	43N	53E	6800
15J2	RYAN RANCH	1	34N	59E	5800
15H8	TREMEWAN RANCH	9	39N	55E	5700
15H10P	TROUT CREEK, LOWER	28	37N	61E	6900
15H11A	TROUT CREEK, UPPER	4	36N	61E	8500

### LOWER HUMBOLDT RIVER

17K1	BIG CREEK CAMP GROUND	10	17N	43E	6600
17K2	BIG CREEK MINE	23	17N	43E	7600
17K3	BIG CREEK, UPPER	26	17N	43E	8000
17H2	BUCKSKIN, LOWER	25	45N	39E	6700
17H1	BUCKSKIN, UPPER	11	45N	39E	8200
17J2	GOLCONOA #2	22	35N	39E	6000
17H4	GRANITE PEAK	22	44N	39E	7800
17H5	LAWANCE CREEK	13	42N	38E	6000
17L1	LOWER CORRAL	12	11N	40E	7500
17H3	MARTIN CREEK	18	44N	40E	6700
16H3AP	MIDAS	18	39N	46E	7200
16H7	TOE JAM a	29	40N	50E	7700
17L2	UPPER CORRAL	20	11N	41E	8500

### EASTERN NEVADA

14L1	BAKER #1	29	13N	69E	7950
14L2	BAKER #2	30	13N	69E	8950
14L3	BAKER #3	25	13N	68E	9250
14K2	BERRY CREEK	23	17N	65E	9100
14K1	BIRRO CREEK	34	19N	65E	7500
15J13	CAVE CREEK	25	27N	57E	7500
15J14	HAGER CANYON	34	27N	57E	8000
15J15	HOLE-IN-MTN	6	35N	61E	7900
14K8	KALAMAZOO CREEK	34	20N	65E	7400
14K3	MURRAY SUMMIT	26	16N	62E	7250
15K1	ROBINSON SUMMIT	23	18N	61E	7600
14K7	SILVER CREEK #2	30	16N	69E	8000
14K5	WARO MOUNTAIN #2	25	15N	62E	7875
15L1	WHITE RIVER #1	31	13N	59E	7400

### CENTRAL GREAT BASIN

18M2	CAMPITO MTN (CAL.)	19	55	35E	10200
18M5a	CHICTOVICH FLAT	32	25	34E	10500
15N2	CLARK CANYON	8	19S	56E	9000
18M1	MONTGOMERY PASS	4	1N	33E	7100
18M3a	PINCHOT CREEK	28	1N	33E	9300
18M4a	PIUTE PASS (CAL.)	33	45	33E	11700
15N1	TROUGH SPRINGS	23	18S	55E	8500

### NORTHERN GREAT BASIN

19H1	BALO MOUNTAIN	17	45N	21E	6720
20H5	BARBER CREEK (CAL.)	23	39N	16E	6500
20H6	CEGAR PASS (CAL.)	12	43N	14E	7100
18G6a	GENIO CREEK (OREG.)	14	41S	34E	6000
18H1	DISASTER PEAK	8	47N	34E	6500
20H3a	OISMAL SWAMP (CAL.)	31	48N	22E	7000
20H7	EAGLE PEAK (CAL.)	35	40N	15E	7200
19H3	49-MTN	7	42N	19E	6000
19H2	HAYS CANYON	1	39N	18E	6400
19H4a	LITTLE BALLY MTN	12	43N	14E	6000
17G5a	OREGON CANYON (OREG.)	9	40S	40E	7240
17H6a	QUINN RIDGE	9	47N	41E	6300
20H4	RESERVATION CREEK (CAL.)	12	46N	15E	5900
18G5a	TROUT CREEK (OREG.)	10	41S	38E	7800

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
--------	------	------	------	------	-------

## LAKE TAHOE

19L14	OAGGETTS PASS	19	13N	19E	7350
20L5	ECHO SUMMIT (CAL.)	6	11N	18E	7450
19L2	FREEL BENCH (CAL.)	36	12N	18E	7300
19K6	GLENBROOK #2	13	14N	18E	6900
19L3M	HAGANS MEADOW (CAL.)	36	12N	18E	8000
20L4	LAKE LUCILLE (CAL.)	28	12N	17E	8200
19K4M	MARLETTE LAKE	18	15N	19E	8000
20L3	RICHARSONS #2 (CAL.)	6	12N	18E	6500
20L1	RUBICON #1 (CAL.)	6	13N	17E	8100
20L2	RUBICON #2 (CAL.)	6	13N	17E	7500
20K16	TAHOE CITY (CAL.)	6	15N	17E	6250
19L1	UPPER TRUCKEE (CAL.)	21	12N	18E	6400
20K17M	WARO CREEK (CAL.)	21	15N	16E	7000

## TRUCKEE RIVER

20K14	BOCA #2 (CAL.)	28	18N	17E	5900
20K22	BROCKWAY SUMMIT (CAL.)	3	17N	16E	7100
20K21	ONNER PARK #2 (CAL.)	18	17N	16E	6000
20K10*	ONNER SUMMIT (CAL.)	25	17N	14E	6900
20K7*	FOROYCE LAKE (CAL.)	34	18N	13E	6500
20K8	FURNACE FLAT (CAL.)	10	17N	13E	6700
20K4MP	INDEPENDENCE CAMP (CAL.)	34	19N	15E	7000
20K3	INDEPENDENCE CREEK (CAL.)	14	19N	15E	6500
20K5	INDEPENDENCE LAKE (CAL.)	9	18N	15E	8450
19K3	LITTLE VALLEY	17	16N	19E	6300
19K2	MT. ROSE	7	17N	19E	9000
20K6	SAGE HEN CREEK (CAL.)	7	18N	16E	6500
20K19	SQUAW VALLEY #2 (CAL.)	6	15N	16E	7500
20K13M	TRUCKEE #2 (CAL.)	22	17N	16E	6400
20K2	WEBBER LAKE (CAL.)	29	19N	14E	7000
20K1*	WEBBER PEAK (CAL.)	30	19N	14E	8000

## CARSON RIVER

19L5	BLUE LAKES (CAL.)	30	9N	19E	8000
19L4	CARSON PASS, UPPER (CAL.)	22	10N	18E	8600
19K5	CLEAR CREEK	6	14N	19E	7300
19L19a	EBBETS PASS (CAL.)	17	8N	20E	8700
19L6a	POISON FLAT (CAL.)	25	8N	21E	7900
19L16a	UPPER FISH VALLEY (CAL.)	18	7N	22E	8050
19L20a	WOLF CREEK (CAL.)	35	8N	20E	8000
19L18a	WET MEADOWS LAKE (CAL.)	26	9N	19E	8100

## WALKER RIVER

19L11	BUCKEYE FORKS (CAL.)	20	4N	23E	8500
19L10	BUCKEYE ROUGHS (CAL.)	15	4N	23E	7900
19L12A	CENTER MOUNTAIN (CAL.)	4	3N	23E	9400
18L1	LAPON MEADOW	36	8N	28E	9000
19L8	LEAVITT MEADOWS (CAL.)	4	5N	22E	7200
19L17a	LOBDELL LAKE (CAL.)	20	7N	24E	9200
18L2	MT. GRANT	23	8N	28E	9000
19L7M	SONORA PASS (CAL.)	1	5N	21E	8800
19M1*	TIOGA PASS (CAL.)	30	1N	25E	9800
19L13M	VIRGINIA LAKES (CAL.)	5	2N	25E	9500
19L9	WILLOW FLAT (CAL.)	21	5N	23E	8250

## COLORADO

### LOWER COLORADO RIVER

15N5	KYLE CANYON	27	19S	56E	8200
15N4	LEE CANYON #1	10	19S	56E	8400
15N3	LEE CANYON #2	9	19S	56E	9200
15N8	LEE CANYON #3	10	19S	56E	8500
14M1	MATHEW CANYON	10	6S	70E	6000
14M2	PINE CANYON	23	6S	69E	6200
15N7	RAINBOW CANYON #2	6	20S	57E	8100

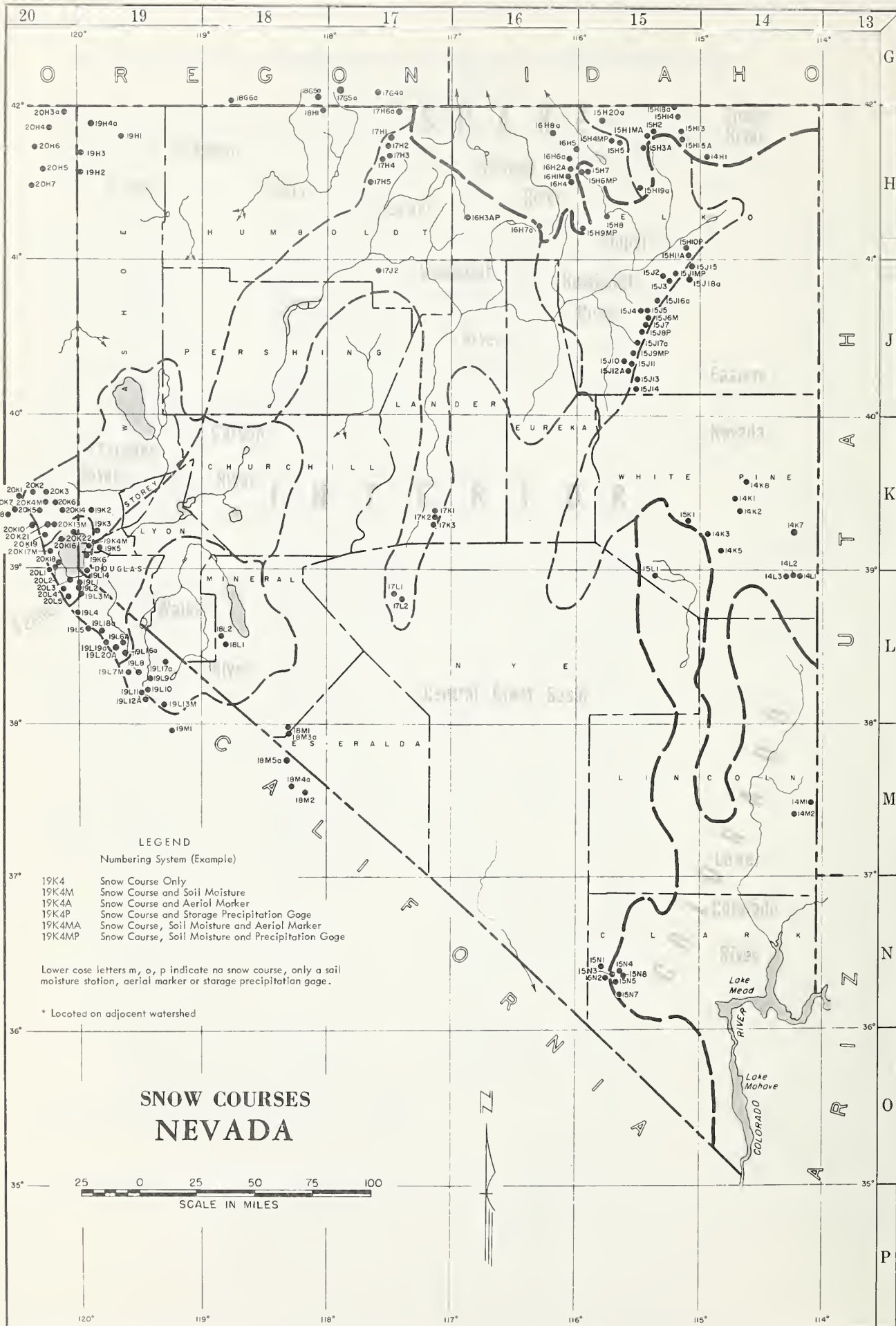
## LEGEND

NUMBERING SYSTEM (EXAMPLE)

19K4	SNOW COURSE ONLY
19K4M	SNOW COURSE AND SOIL MOISTURE
19K4A	SNOW COURSE AND AERIAL MARKER
19K4P	SNOW COURSE AND STORAGE PRECIPITATION GAGE
19K4MA	SNOW COURSE, SOIL MOISTURE AND AERIAL MARKER
19K4MP	SNOW COURSE, SOIL MOISTURE AND PRECIPITATION GAGE

LOWER CASE LETTERS m, a, p, INDICATE NO SNOW COURSE, ONLY A SOIL MOISTURE STATION, AERIAL MARKER OR STORAGE PRECIPITATION GAGE.

\* LOCATED ON ADJACENT WATERSHED



**LEGEND**  
Numbering System (Example)

- 19K4 Snow Course Only
- 19K4M Snow Course and Soil Moisture
- 19K4A Snow Course and Aerial Marker
- 19K4P Snow Course and Storage Precipitation Gage
- 19K4MA Snow Course, Soil Moisture and Aerial Marker
- 19K4MP Snow Course, Soil Moisture and Precipitation Gage

Lower case letters m, a, p indicate no snow course, only a soil moisture station, aerial marker or storage precipitation gage.

\* Located on adjacent watershed

**SNOW COURSES  
NEVADA**



WATER SUPPLY OUTLOOK  
FOR NEVADA

March 1, 1967

\* \* \* \* \*  
\* Nevada water users are expected to have a "near average" water supply \*  
\* in most areas of the state, except for the Humboldt and Upper Owyhee \*  
\* Rivers where irrigation water forecasts are 30 to 40 percent below \*  
\* average. Nevada's April-July streamflow forecasts range from 58 to \*  
\* 135 percent of average. Reservoir storage is near average, with the \*  
\* exception of Wild Horse, which is much below average. Watershed soil \*  
\* moisture under the snowpack is good and should aid snow-melt runoff. \*  
\* \* \* \* \*

SNOW COVER

Snowfall was light during February, and, as a result, the water content of the March 1 snowpack did not show the increases usually expected for the month. Most of the south slopes which had snow on February 1 are now bare to high elevations. The water content of the snowpack now ranges from 54 percent of the March 1 average, on the Spring Mountains near Las Vegas, to 136 percent, on the Walker River.

SOIL MOISTURE

Watershed soils under the snowpack are generally well primed and are not expected to absorb much water from snow-melt runoff. Lower elevation soils have lost moisture near the surface, as a result of much below-average precipitation during February.

RESERVOIR STORAGE

Nevada's seven principal reservoirs, exclusive of Lakes Mead and Mohave, now hold 792,000 acre-feet of stored water. This is 109 percent of the March 1 average and 58 percent of usable capacity. Owyhee Reservoir had only 3,000 acre-feet on March 1, since storage is being held low due to damage of the structure.

STREAMFLOW FORECASTS

Streamflow forecasts for the April-July period range from 58 percent, on the Humboldt at Comus, to 135 percent, for the Little Truckee above Boca.

The Humboldt at Palisade is forecast to flow 115,000 acre-feet, or 66 percent of average, and the Owyhee near Owyhee is expected to flow 50,000 acre-feet, or 68 percent of average. East-slope Sierra streams are forecast to flow 115 to 135 percent of average during the April-July period. Lake Tahoe is expected to rise 1.70 feet after April 1.





The Truckee at Farad is forecast to flow 310,000 acre-feet (115% of average). The Carson at Carson City is forecast to flow 220,000 acre-feet (130% of average). The East Carson is expected to flow 224,000 acre-feet (125% of average). West Walker and East Walker are forecast to flow 175,000 acre-feet (125% of average) and 70,000 acre-feet (123% of average) respectively.





# NEVADA STREAMFLOW FORECASTS - MARCH 1, 1967

The following summarized runoff forecasts are based principally on mountain snow cover and the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts.

Basin and Forecast Stream	April-July, Streamflow Thousands Acre-Feet				
	Forecast 1967	15-Yr. Av. 1948-62	1967 as % of 15-Yr. Av.	Measured Runoff 1966	1965
<u>TRUCKEE RIVER</u>					
Little Truckee <sup>3</sup> River above Boca, California	105	78	(**) 135 (110)	48	129
Truckee River at Farad, Calif. <sup>2,3</sup>	310	269	115 (110)	155	320
Lake Tahoe <sup>1,3</sup>	1.70	1.47	116 (113)	.71	1.76
<u>CARSON RIVER</u>					
East Carson near Gardnerville, Nev.	224	179	125	127	235
West Carson at Woodfords, Calif.	65	52	125	37	72
Carson River near Carson City, Nev.	220	169	130	95	243
Carson River at Ft. Churchill, Nev.	200	155	129	80	218
East Carson near Gardnerville, Nev. (Date of 200 c.f.s. flow)	7/29	7/20	--	6/27	8/27
<u>WALKER RIVER</u>					
East Walker near Bridgeport, Calif. <sup>4</sup>	70	57	123	38	88
West Walker below E. Fork near Coleville, California	175	140	125	98	186
<u>COLORADO RIVER</u>					
Virgin River at Virgin, Utah <sup>5</sup>	34	43	79	39	NA

(Continued)

NEVADA STREAMFLOW FORECASTS - MARCH 1, 1967 (Continued)

Basin and Forecast Stream	April-July, Streamflow Thousands Acre-Feet				
	Forecast 1967	15-Yr. Av. 1948-62	1967 as % of 15-Yr. Av.	Measured Runoff 1966	1965
<u>HUMBOLDT RIVER</u>					
Lamoille Creek near Lamoille, Nev.	25	26	96	7	34
So. Fk. Humboldt near Elko, Nev.	46	60	77	11	93
Marys River above Hot Springs, Nev.	26	34	76	11	52
North Fk. Humboldt at Devils Gate, Nev.	27	34	79	7	43
Humboldt River at Palisade, Nev.	115	173	66	54	247
Humboldt River at Comus, Nev.	74	127	58	40	211
Martin Creek near Paradise, Nev.	12	17	71	5	19
<u>SNAKE RIVER</u>					
Owyhee River near Owyhee, Nev. <sup>6</sup>	50	74	68	21	97
Owyhee River near Gold Creek, Nev. <sup>6</sup>	15	22	68	6	28
Salmon Falls Creek near San Jacinto, Nevada <sup>7</sup>	55 53	78 76	70 70	36 33	106 98
<u>SURPRISE VALLEY</u>					
Bidwell Creek near Ft. Bidwell, Calif. <sup>8</sup>	10.5	14.3*	73	NA.	NA
Mill Creek near Cedarville, Calif. <sup>8</sup>	4.1	5.5	75	2.3	5.8
Deep Creek near Cedarville, Calif. <sup>8</sup>	2.7	3.8	71	1.6	3.9
Eagle Creek near Eagleville, Calif. <sup>8</sup>	4.0	5.2	77	NA	5.8

1. Maximum rise, in feet, from April 1, assuming gates closed.
  2. Exclusive of Tahoe and corrected for storage in Boca Reservoir.
  3. Forecast issued by Truckee Basin Water Committee, composed of Truckee-Carson Irrigation District, Sierra Pacific Power Company, and Washoe County Water Conservation District.
  4. For period April through August, corrected for storage in Bridgeport Reservoir.
  5. April-June forecast; issued by SCS, Salt Lake City, Utah.
  6. Corrected for storage in Wild Horse Reservoir.
  7. March-Sept. and March-July forecasts respectively; issued by SCS, Boise, Idaho.
  8. April-Sept. forecast; coordinated forecast of SCS and California Department of Water Resources, Snow Survey Units.
- \* Adjusted average.  
 \*\* Number in parenthesis is forecast as percent of long-term average.  
 NA Not available.

# STATUS OF RESERVOIR STORAGE

MARCH 1, 1967

Basin and Stream	Reservoir	Usable Capacity (1000 AF)	USABLE STORAGE - 1000 ACRE FEET			
			1967	1966	1965	March 1 15-Yr. Av. 1948-62
Owyhee	Wild Horse	33	3	17	9*	14
Lower Humboldt	Rye Patch	179	73	179	139	63
Colorado	Mohave	1,810	1,662	1,699	1,683	1,357 **
Colorado	Mead	27,217	15,617	15,589	11,361	17,037
Tahoe	Tahoe	732	444	540	486	395
Truckee	Boca	41	2	2	3	6
Truckee	Prosser ***	30	9	10	9	Storage began 1/30/63
Carson	Lahontan	286	208	213	235	186
West Walker	Topaz	59	34	54	45	34
East Walker	Bridgeport	42	28	34	30	28

\* Reservoir drained during summer to effect repairs to dam.

\*\* 1950-62

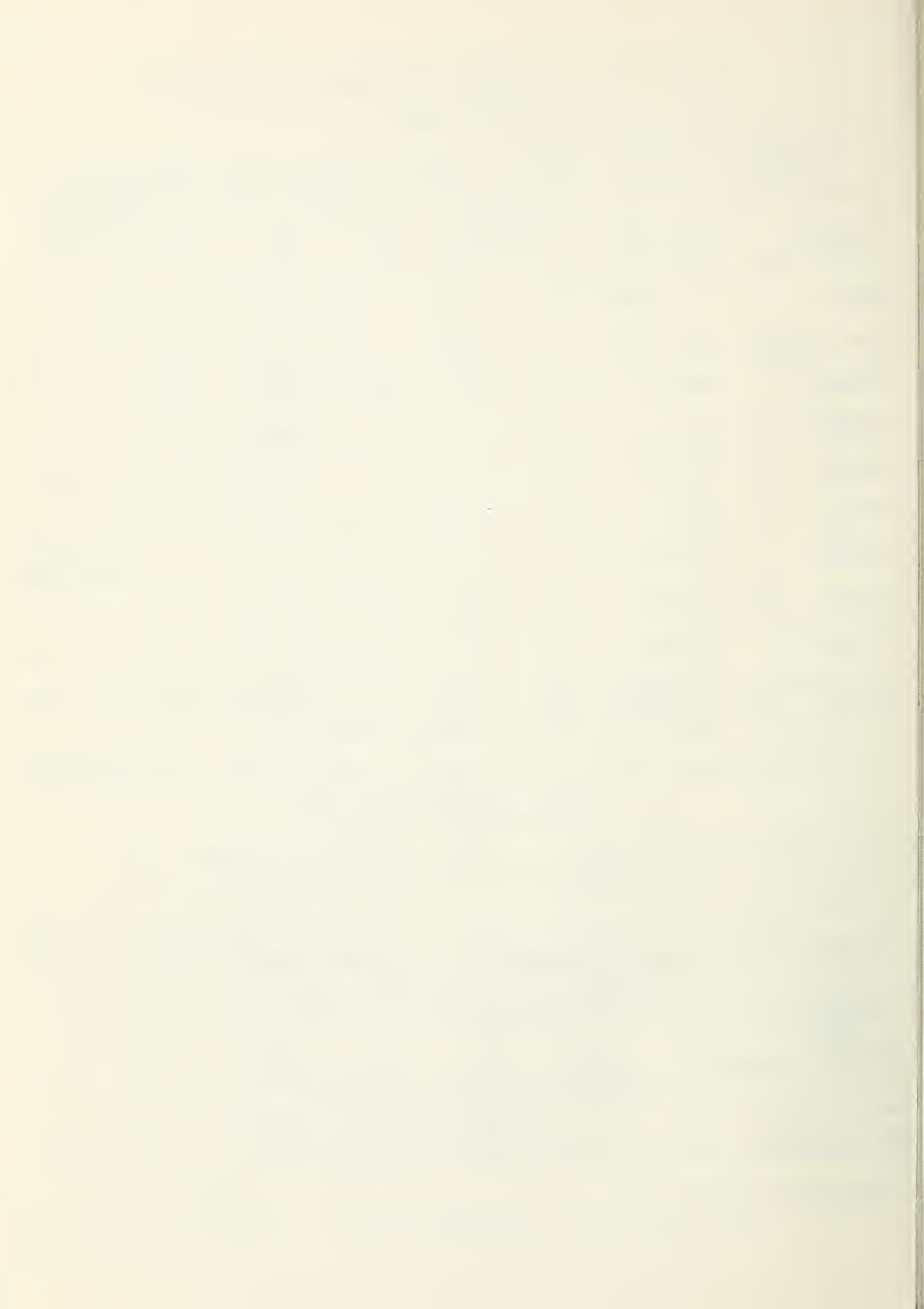
\*\*\* Flood control use allocation of 20,000 A.F. between November 1 and April 10.

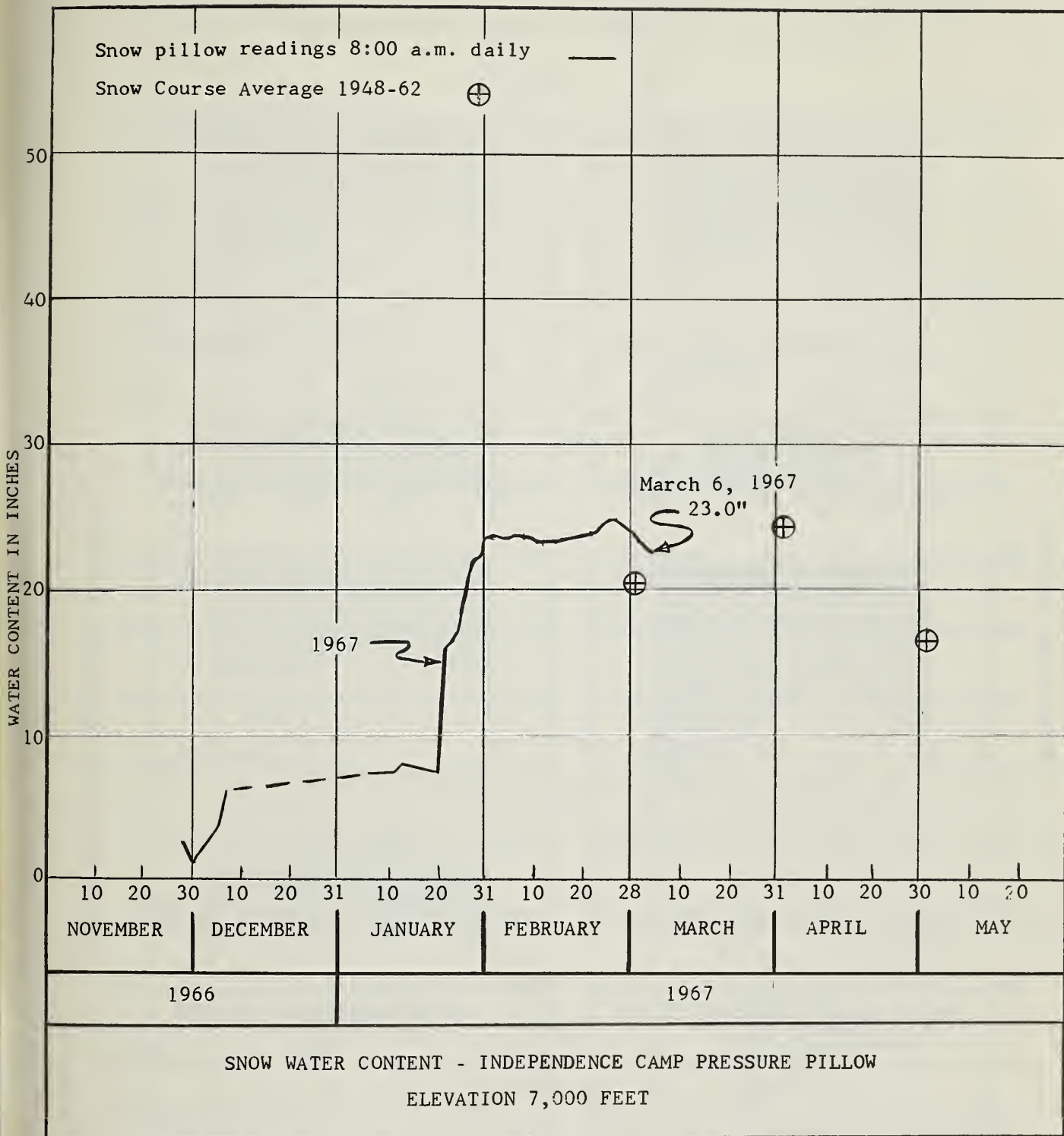
## TOTAL RESERVOIR STORAGE

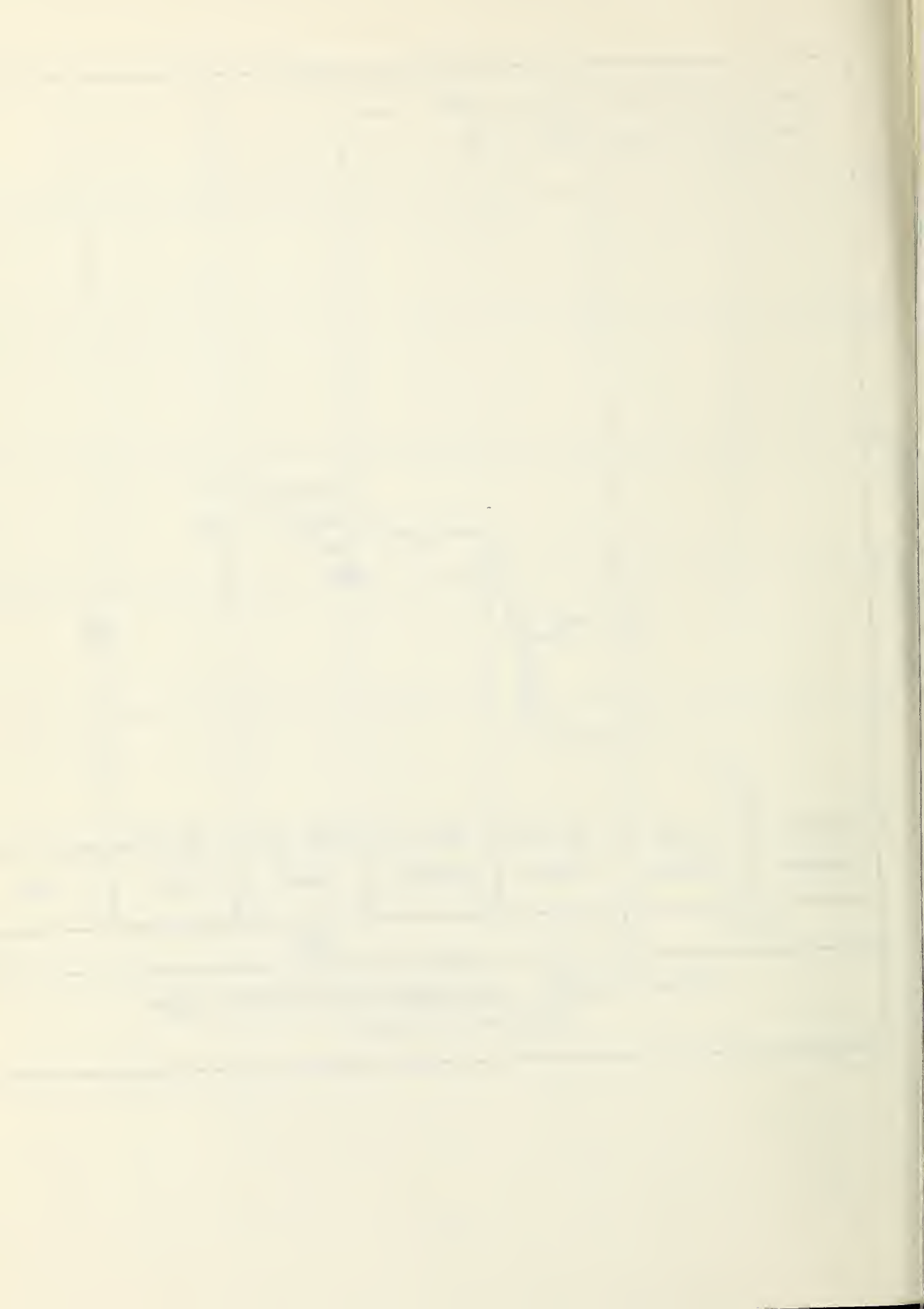
Developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz, and Bridgeport Reservoirs in 1000's Acre-Feet

Month	1961-62	1962-63	1963-64	1964-65	1965-66	1966-67	Average 1948-62
October 1	68	338	702	497	1144	559	572
January 1	59	408	748	789	1112	593	622
February 1	74	579	776	922	1049	736	670
March 1	208	690	774	949	1039	792	725
April 1	316	765	774	1002	1052		776
May 1	502	840	818	1103	1089		834

TOTAL USABLE CAPACITY 1,372





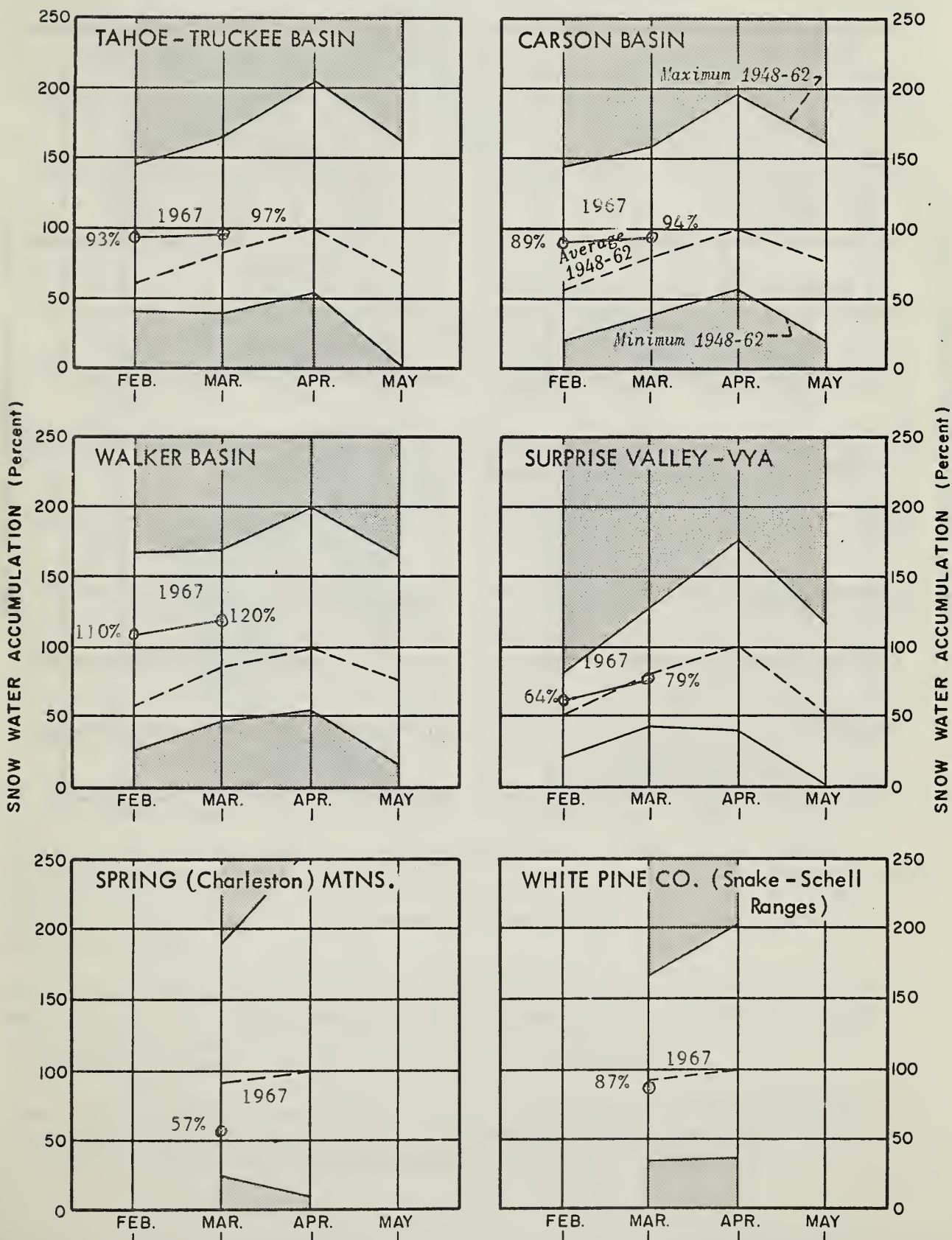




# SNOW WATER ACCUMULATION IN NEVADA

Percent of average maximum accumulation

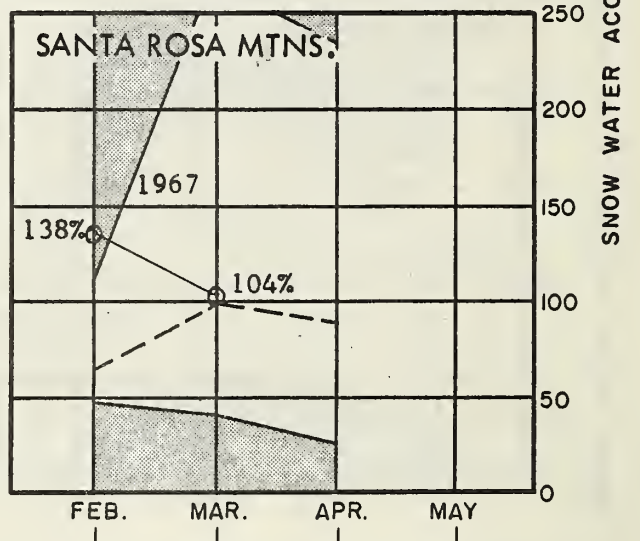
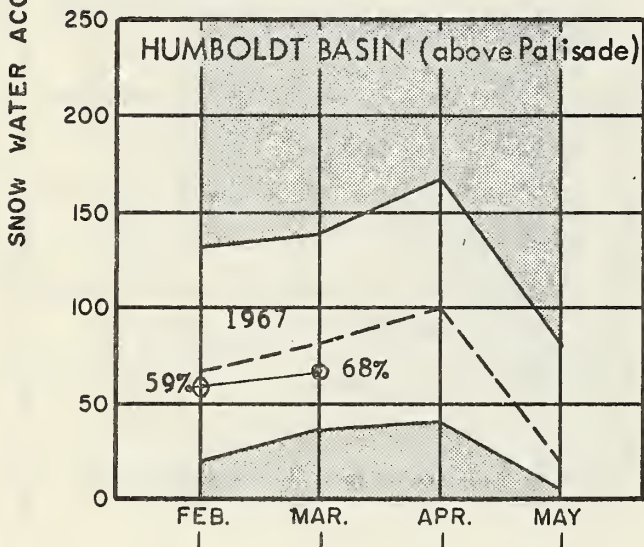
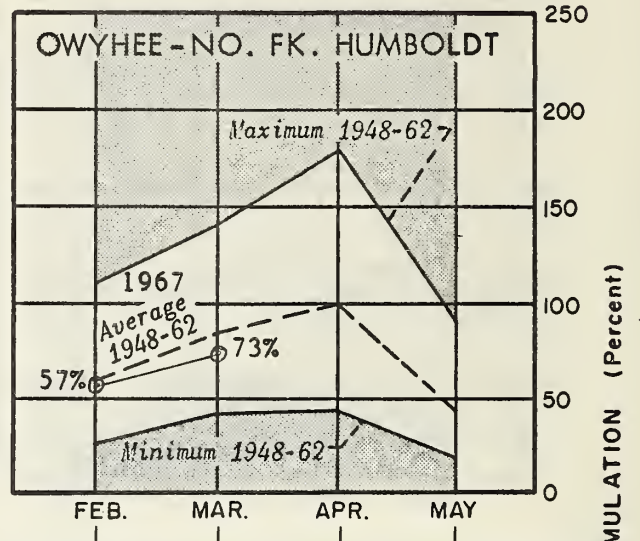
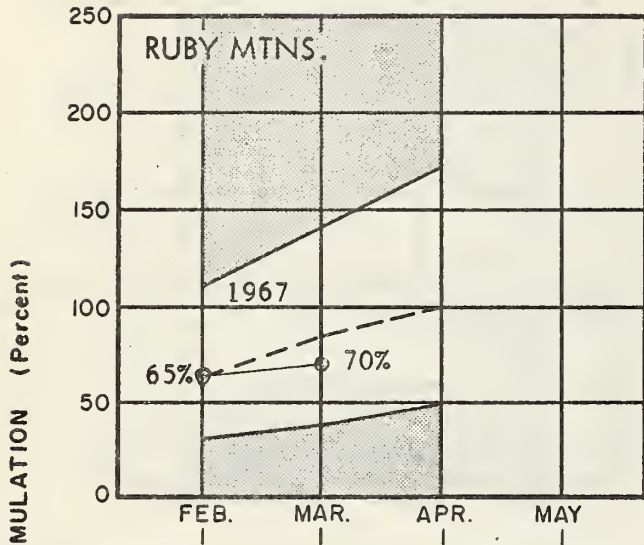
As of March 1, 1967



# SNOW WATER ACCUMULATION IN NEVADA

Percent of average maximum accumulation

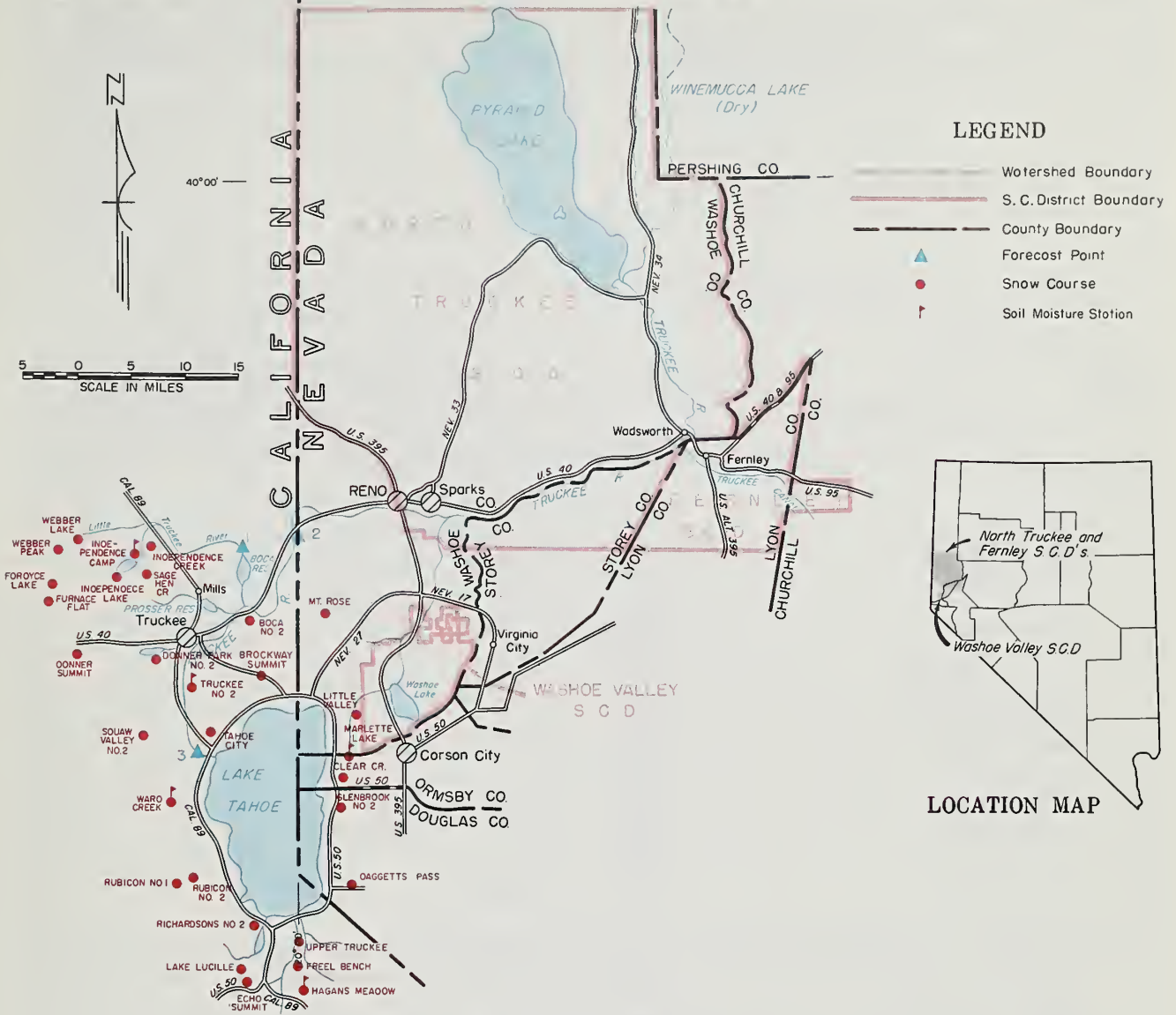
As of March 1, 1967





# WATER SUPPLY OUTLOOK

NORTH TRUCKEE, FERNLEY & WASHOE VALLEY S.C.D.'s.  
WASHOE, STOREY & LYON COUNTIES, NEVADA



March 1, 1967

A "near average" water supply is in prospect for the Lake Tahoe-Truckee Basins during the 1967 irrigation season. Water content of the snowpack still ranges from average to 40 percent above average, with less than the average increase during February. The basin as a whole is 115 percent of the March 1 average.

Lake Tahoe held 444,000 acre-feet on March 1, 1967, and was at 6226.70 feet above sea level. The Truckee Basin Water Committee forecasts that the lake will rise 1.70 feet after April 1, assuming the gates are closed. The lake is expected to reach a maximum elevation of 6228.70 feet.

The Committee forecast April-July flow of the Truckee at Farad at 310,000 acre-feet, and the Little Truckee above Boca at 105,000 acre-feet. Donner Lake, Independence, and Boca Reservoir are expected to fill.

Plate 2

## STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Lake Tahoe	732	444	540	395
Boca	41	2	2	6
Prosser <u>b/</u>	29	9	10	--

b/ Flood control use allocation  
20,000 a.f. between 11/1 and 4/10

## NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. \* 1948-62 adjusted average.

## APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1. Little Truckee River above Boca	105	48	78
2. Truckee River at Farad, Calif.	310	155	269
3. Lake Tahoe rise (In feet from April 1, assuming gates closed)	1.70	.71	1.47

Note: Above forecasts prepared by Truckee Basin Water Committee

## SNOW

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
<b>LAKE TAHOE</b>						
Daggetts Pass	7350	2/27	38	14.7	11.3	11.2*
Echo Summit	7500	3/1	84	30.8	28.9	29.8
Freel Bench	7300	2/28	26	12.1	12.2	12.0*
Glenbrook #2	6900	2/25	42	13.9	11.7	11.6*
Hagans Meadow	8000	2/28	50	20.3	15.1	16.9*
Little Valley	6300	2/28	25	11.5	11.9	11.6*
Marlette Lake	8000	2/27	64	24.2	20.1	18.4
Richardsons #2	6500	2/25	49	17.4	15.7	17.6
Rubicon #1	8100	3/4	126	43.9	40.0	40.4*
Rubicon #2	7500	3/4	74	26.4	28.5	24.7*
Tahoe City	6250	2/25	33	13.1	12.2	11.8
Upper Truckee	6400	2/28	22	9.8	11.6	10.0*
Ward Creek	7000	3/1	96	41.0	35.6	38.6*
<b>TRUCKEE RIVER</b>						
Boca #2	5900	2/24	22	6.8	7.0	7.2*
Brockway Summit	7100	3/1	53	22.1	14.8	---
Donner Park #2	6000	2/24	53	19.2	18.3	17.5*
Donner Summit	6900	2/27	92	38.2	34.8	33.9
Fordyce Lake	6500	2/27	79	31.0a	36.9a	33.8*
Furnace Flat	6600	2/27	96	43.0a	41.4a	39.3*
Independence Camp	7000	3/2	62	25.2	22.7	20.5*
Independence Creek	6500	3/2	42	17.5	14.4	13.7*
Independence Lake	8450	3/2	113	47.6	32.2	33.3*
Sage Hen Creek	6500	3/2	55	22.1	17.6	17.4*
Squaw Valley #2	7500	3/6	117	49.9	39.7	44.9*
Truckee #2	6400	3/3	45	17.7	14.8	16.7*

## SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
Hagans Meadow	8000	36	3.65	2/28	3.1	2.6	3.6
Independence Camp	7000	34	6.10	3/2	5.6	6.1	5.9
Marlette Lake	8000	50	3.70	2/27	2.7	3.1	3.4
Truckee #2	6400	18	3.65	3/3	3.6	2.9	3.7
Ward Creek	7000	40	5.80	3/1	5.6	5.8	5.8

CARSON VALLEY S.C.D., NEVADA  
and ALPINE S.C.D., CALIFORNIA



The East Carson is expected to fall to 200 c.f.s. about July 29, 1967.



## STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Lahontan	286	208	213	186

## APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1. East Carson near Gardnerville	224	127	179
2. West Carson at Woodfords, Calif.	65	37	52
3. Carson River near Carson City	220	95	169
4. Carson River at Fort Churchill	200	80	155
Date 200 c.f.s. flow East Carson near Gardnerville			
	7/29	6/27	7/20

### NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. \* 1948-62 adjusted average.

## SNOW

March 1, 1967

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
					LAST YEAR	AVERAGE
NAME	ELEVATION					
Carson Pass, Upper	8600	2/28	86	35.3	27.8	28.2
Clear Creek	7300	2/28	40	14.8	13.1	12.9*
Daggetts Pass	7350	2/27	38	14.7	11.3	11.2*
Ebbetts Pass	8700	Not observed			---	---
Echo Summit	7500	3/1	84	30.8	28.9	29.8
Glenbrook #2	6900	2/25	42	13.9	11.7	11.6*
Marlette Lake	8000	2/27	64	24.2	20.1	18.4
Poison Flat	7900	3/1	51	20.4a	14.0a	---
Sonora Pass	8800	2/24	68	25.8	21.0	20.2*
Upper Fish Valley	8050	3/1	38	15.2a	17.6a	---
Wet Meadow Lake	8100	3/1	75	29.2a	24.5a	---
Wolf Creek	8000	3/1	70	28.0a	---	---

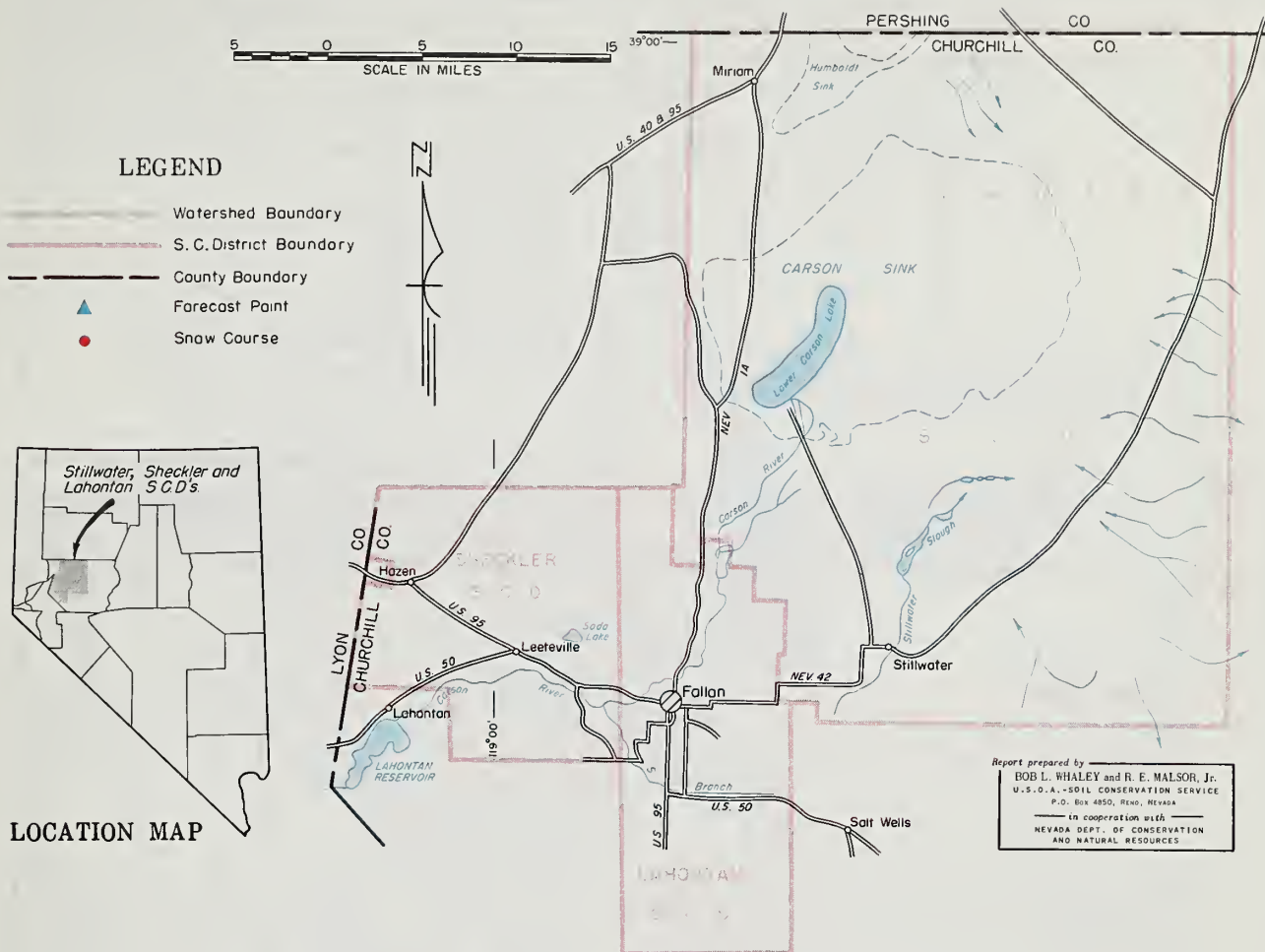
## SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
Marlette Lake	8000	50	3.70	2/27	2.7	3.1	3.4
Sonora Pass	8800	48	8.30	2/24	8.3	8.3	8.3



# WATER SUPPLY OUTLOOK

STILLWATER, SHECKLER, LAHONTAN S.C.D.'s. & VICINITY  
CHURCHILL COUNTY, NEVADA



March 1, 1967

The 1967 water supply outlook for the Fallon area is "near average."

Snow cover on the Tahoe-Truckee-Carson Basins is about 115 percent of average, with individual snow courses ranging from 94 to 143 percent of the March 1 average. Reservoir storage is good. Lake Tahoe held 444,000 acre-feet (112% of average) and Lahontan held 208,000 acre-feet (112% of average) on March 1.

The Carson at Fort Churchill is forecast to flow 200,000 acre-feet during the April-July period, which is 129 percent of average. The Truckee at Farad is expected to flow 310,000 acre-feet, or 115 percent of the 1948-62 15-year average. Lake Tahoe is forecast to rise 1.70 feet after April 1, assuming gates are closed.

Plate 4

## STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Lake Tahoe	732	444	540	395
Lahontan	286	208	213	186

## NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. \* 1948-62 adjusted average.

## APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1. Truckee River at Farad, Calif.**	310	155	269
2. Lake Tahoe rise** (In feet from April 1 assuming gates closed)	1.70	.71	1.47
3. Carson River at Fort Churchill	200	80	155
** Forecasts prepared by Truckee Basin Water Committee			

## SNOW

March 1, 1967

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
<b>TRUCKEE</b>						
Boca #2	5900	2/24	22	6.8	7.0	7.2*
Donner Summit	6900	2/27	92	38.2	34.8	33.9
Fordyce Lake	6500	2/27	79	31.0a	36.9a	33.8*
Furnace Flat	6600	2/27	96	43.0a	41.4a	39.3*
Independence Camp	7000	3/2	62	25.2	22.7	20.5*
Sage Hen Creek	6500	3/2	55	22.1	17.6	17.4*
<b>TAHOE</b>						
Daggetts Pass	7350	2/27	38	14.7	11.3	11.2*
Echo Summit	7500	3/1	84	30.8	28.9	29.8
Hagans Meadow	8100	2/28	50	20.3	15.1	16.9*
Tahoe City	6250	2/25	33	13.1	12.2	11.8
Ward Creek	7000	3/1	96	41.0	35.6	38.6*
<b>CARSON RIVER</b>						
Carson Pass, Upper	8600	2/28	86	35.3	27.8	28.2
Clear Creek	7300	2/28	40	14.8	13.1	12.9*
Sonora Pass	8800	2/24	68	25.8	21.0	20.2*

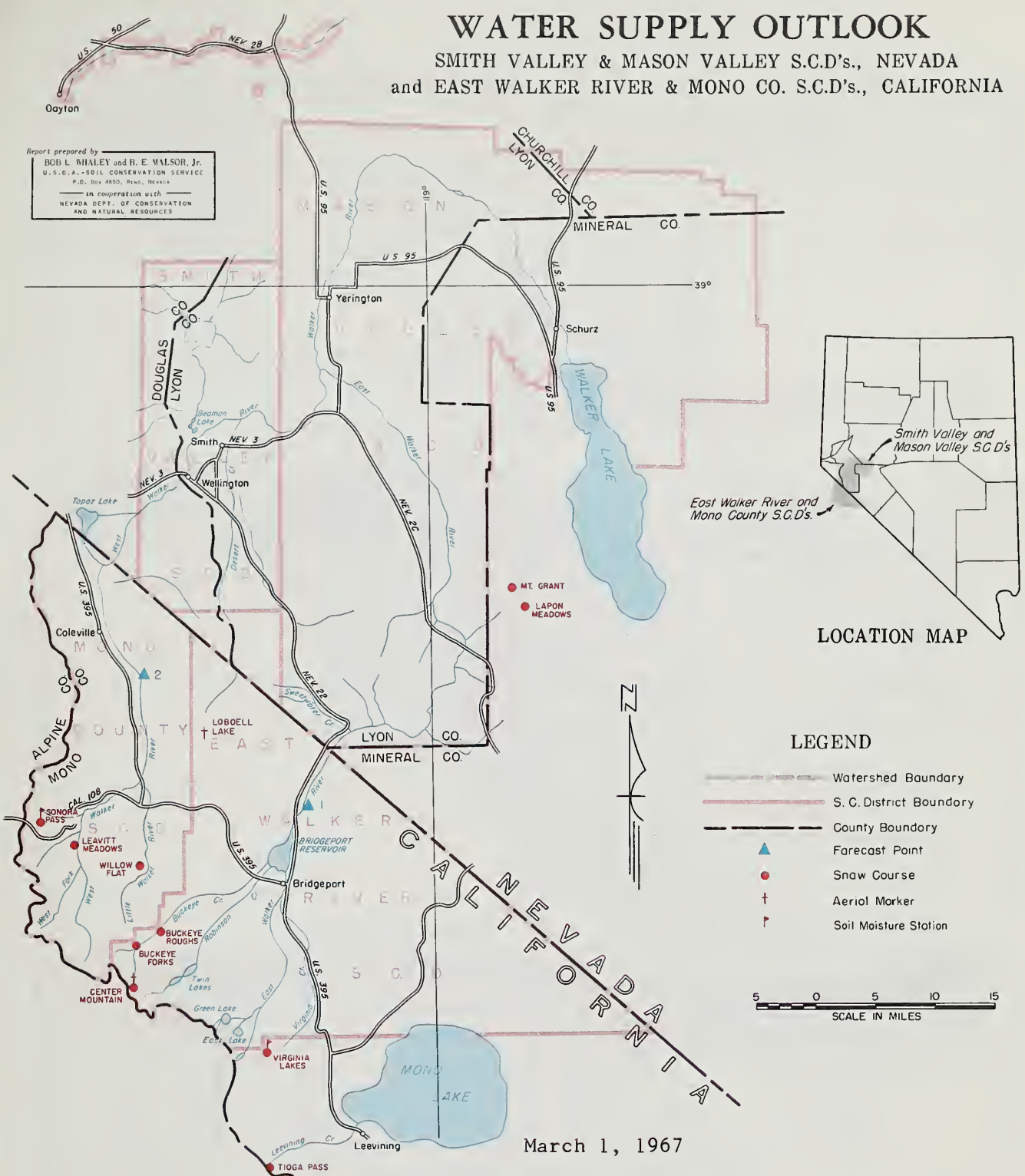
## SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
Hagans Meadow	8000	36	3.65	2/28	3.1	2.6	3.6
Independence Camp	7000	34	6.10	3/2	5.6	6.1	5.9
Marlette Lake	8000	50	3.70	2/27	2.7	3.1	3.4
Sonora Pass	8800	48	8.30	2/24	8.3	8.3	8.3
Truckee #2	6400	18	3.65	3/3	3.6	2.9	3.7
Ward Creek	7000	49	5.80	3/1	5.6	5.8	5.8

# WATER SUPPLY OUTLOOK

SMITH VALLEY & MASON VALLEY S.C.D.'s., NEVADA  
and EAST WALKER RIVER & MONO CO. S.C.D.'s., CALIFORNIA

Report prepared by  
BOB L. HAILEY and R. E. WALSON, Jr.  
U.S.D.A. - SOIL CONSERVATION SERVICE  
P.O. Box 4850, Reno, Nevada  
In cooperation with  
NEVADA DEPT. OF CONSERVATION  
AND NATURAL RESOURCES



March 1, 1967

Smith and Mason Valley water users will have good water supplies this year. The snowpack on Walker River is still 136 percent of average, although very little precipitation fell during February. Reservoir storage is average. Topaz held 34,000 acre-feet, and Bridgeport held 28,000 acre-feet on March 1.

The East Walker, near Bridgeport, is forecast to flow 70,000 acre-feet, or 123 percent of its April-August average. The West Walker is expected to flow 175,000 acre-feet, or 125 percent of its April-July average. Last year these streams flowed 38,000 and 98,000 acre-feet respectively.



## STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Topaz	59	34	54	34
Bridgeport	42	28	34	28

## NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. \* 1948-62 adjusted average.

## APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1. East Walker near Bridgeport, Calif. **	70	38	57
2. West Walker below E. Fk. near Colville, Calif.	175	98	140

\*\* April-August runoff corrected for change in Bridgeport Reservoir.

## SNOW

March 1, 1967

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
					LAST YEAR	AVERAGE
NAME	ELEVATION					
Center Mountain	9400	3/1	104	40.6	30.0a	---
Lobdell Lake	9200	3/1	51	19.9	14.7a	---
Sonora Pass	8800	2/24	68	25.8	21.0	20.2*
Virginia Lakes	9500	2/24	60	23.2	15.2	15.9*

## SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
Sonora Pass	8800	48	8.30	2/24	8.3	8.3	8.3

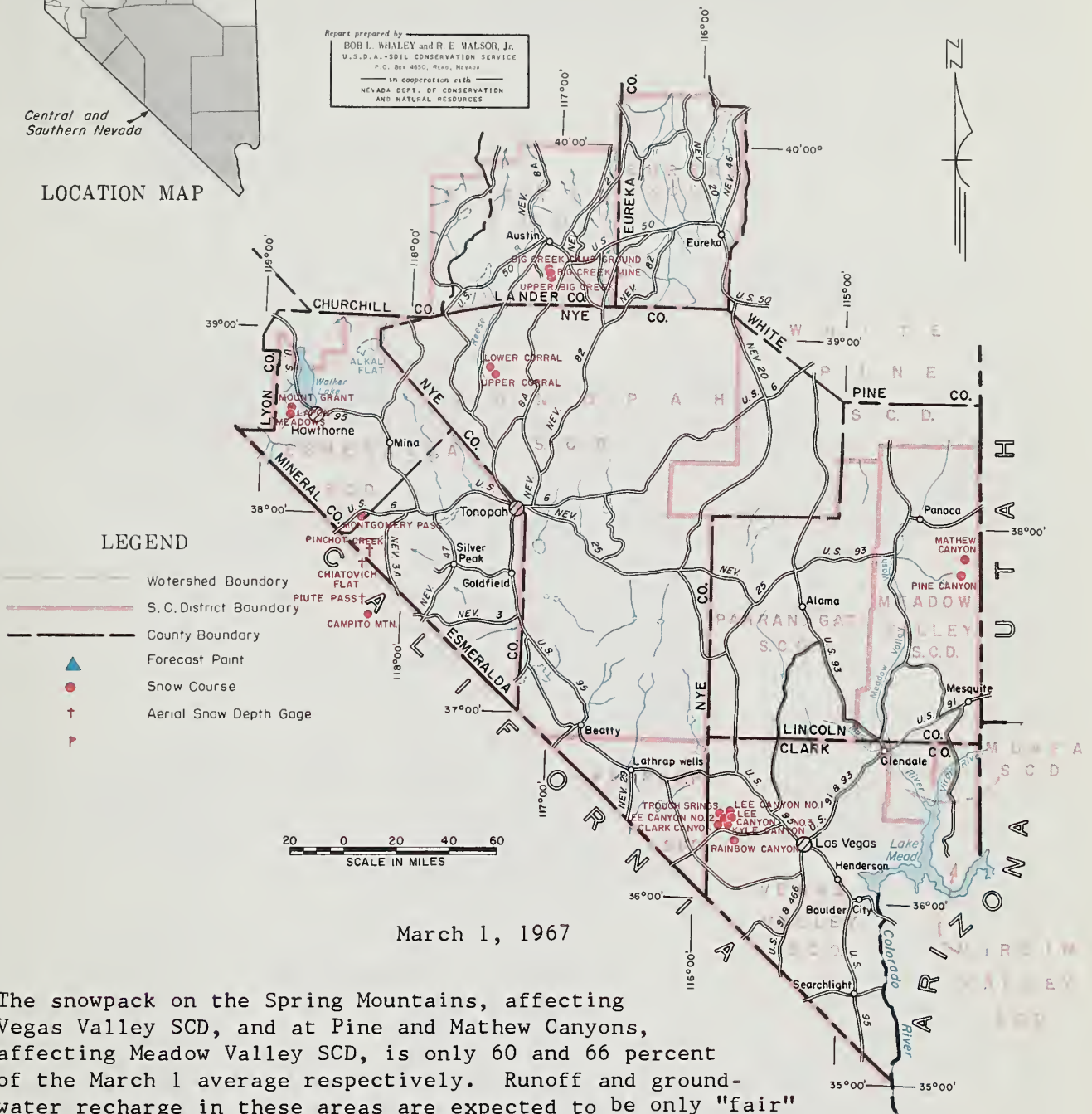
# WATER SUPPLY OUTLOOK

## CHURCHILL, CLARK, ESMERALDA, EUREKA, LANDER, LINCOLN, MINERAL and NYE COUNTIES, NEVADA

Report prepared by  
BOB L. WEAVER and R. E. VALSORE, Jr.  
U.S.D.A., SOIL CONSERVATION SERVICE  
P.O. Box 4850, Reno, Nevada  
in cooperation with  
NEVADA DEPT. OF CONSERVATION  
AND NATURAL RESOURCES

Central and  
Southern Nevada

### LOCATION MAP



March 1, 1967

The snowpack on the Spring Mountains, affecting Vegas Valley SCD, and at Pine and Mathew Canyons, affecting Meadow Valley SCD, is only 60 and 66 percent of the March 1 average respectively. Runoff and ground-water recharge in these areas are expected to be only "fair" this year.

The Virgin River at Virgin, Utah, is forecast to flow 34,000 acre-feet, or 79 percent of average for the April-June period.

Measurements of snow cover affecting Austin, Tonopah, and Esmeralda SCD's show water contents near average or a little better than average for this time of year. Streamflow and ground-water recharge in these areas are expected to be "near average."

# STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Mohave	1,810	1,662	1,699	1,357**
Mead	27,220	15,617	15,589	17,037

\*\* Storage began in 1950

## NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. \* 1948-62 adjusted average.

# APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
Virgin at Virgin, Utah	34	39	43
April-June forecast by SCS, Salt Lake City, Utah			

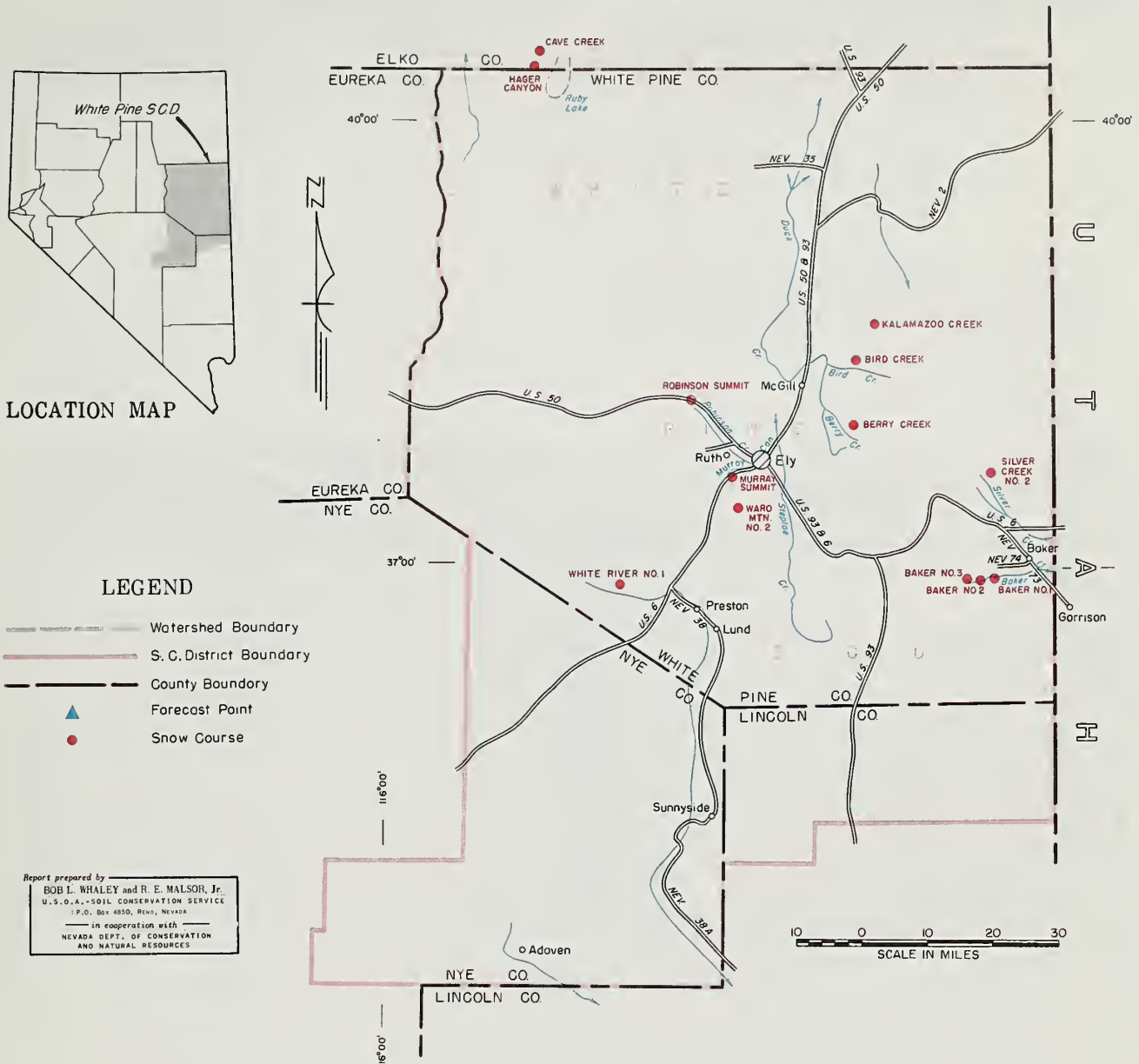
# SNOW

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
AUSTIN SCD						
Big Creek Camp Ground	6600	2/27	T	T	3.0	1.9*
Big Creek Mine	7600	2/27	17	5.2	3.5	3.7*
Upper Big Creek	7800	2/27	22	5.7	3.8	5.8*
TONOPAH SCD						
Lower Corral	7500	2/26	4	1.5	2.0	1.4*
Upper Corral	8500	2/26	18	5.6	4.1	4.5*
ESMERALDA SCD						
Campito	10,200	2/28	31	10.7	2.7	7.4*
Chiatovich Flat	10,500	3/1	25	8.8a	1.0	---
Montgomery Pass	7,100	2/28	T	T	1.4	1.9*
Pinchot Creek	9,300	3/1	0	0.0a	0.5	---
Piute Pass	11,700	3/1	25	8.8a	1.5	---
VEGAS VALLEY SCD						
Clark Canyon	9000	2/27	12	3.8	9.6	7.1*
Kyle Canyon	8200	2/28	14	5.8	11.5	8.9
Lee Canyon #1	8300	Discontinued			8.3	7.6
Lee Canyon #2	9000	2/28	17	6.6	11.5	8.4
Lee Canyon #3	8400	2/28	11	4.4	8.8	---
Rainbow Canyon #2	8100	2/28	20	7.6	17.0	13.2
Trough Springs	8500	2/27	7	2.5	7.3	6.1
MEADOW VALLEY SCD						
Mathew Canyon	6200	2/28	1	0.3	1.1	2.0*
Pine Canyon	6000	2/28	5	2.4	2.5	2.1*



# WATER SUPPLY OUTLOOK

WHITE PINE S.C.D., WHITE PINE, LINCOLN & NYE COUNTIES, NEVADA



March 1, 1967

Water content of the White Pine County snowpack is 97 percent of the March 1 average. This is just slightly better than last year at this time. The Snake range, near Baker, is 105 percent of average, and the Schell Creek range, near McGill, is 114 percent of average, compared with 80 percent at this time last year. Average to a little better than average streamflow is expected in these areas this year.

Two snow courses, affecting flows into the Ruby Wildlife Refuge, are 90 percent of their March 1 average. Flow of streams in this area is expected to be slightly less than average this year.

Plate 7

## STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE

## APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE

## NOTE:

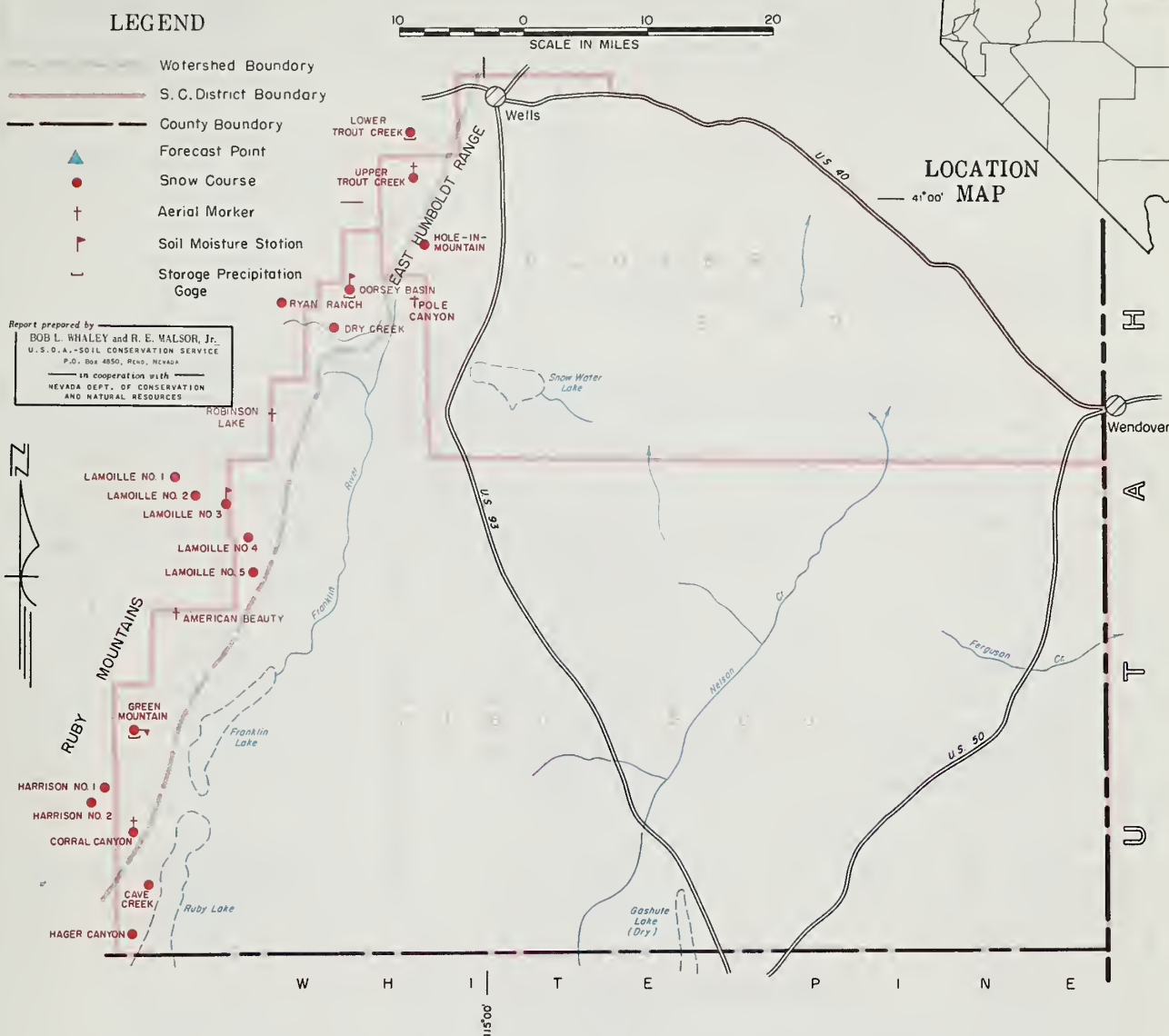
All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. \* 1948-62 adjusted average.

## SNOW

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Baker #1	7950	2/28	24	5.9	6.0	5.9
Baker #2	8950	2/28	45	13.1	11.3	13.5
Baker #3	9250	2/28	50	15.9	13.0	15.1
Berry Creek	9100	2/27	40	11.5	9.7	12.6
Bird Creek	7500	2/27	23	6.0	3.7	4.0
Cave Creek	7500	2/28	36	12.0	16.7	13.5
Hager Canyon	8000	2/28	46	16.5	18.2	18.0
Kalamazoo Creek	7400	3/1	31	9.6	5.5	7.1*
Murray Summit	7250	2/24	13	3.3	3.2	3.3
Robinson Summit	7600	3/2	11	3.0	3.9	3.2*
Silver Creek #2	8000	3/1	25	6.1	3.3	4.5*
Ward Mountain #2	8900	2/24	35	10.4	10.6	16.7*
White River #1	7400	2/24	9	3.3	3.6	2.9*

# WATER SUPPLY OUTLOOK

## CLOVER & RUBY S.C.D's., ELKO COUNTY, NEVADA



March 1, 1967

Clover and Ruby SCD's 1967 irrigation water supplies are expected to be "fair" to "near average."

The mountain snowpack is 85 percent of average over all, with high elevation snow near average and lower elevations well below the 1948-62 average.

Streams heading at higher elevations are expected to hold up well into the summer, but low-elevation streams will recede earlier than usual, unless above average precipitation occurs during the remainder of the spring and summer period.

## STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE

## APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE

## NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. \* 1948-62 adjusted average.

## SNOW

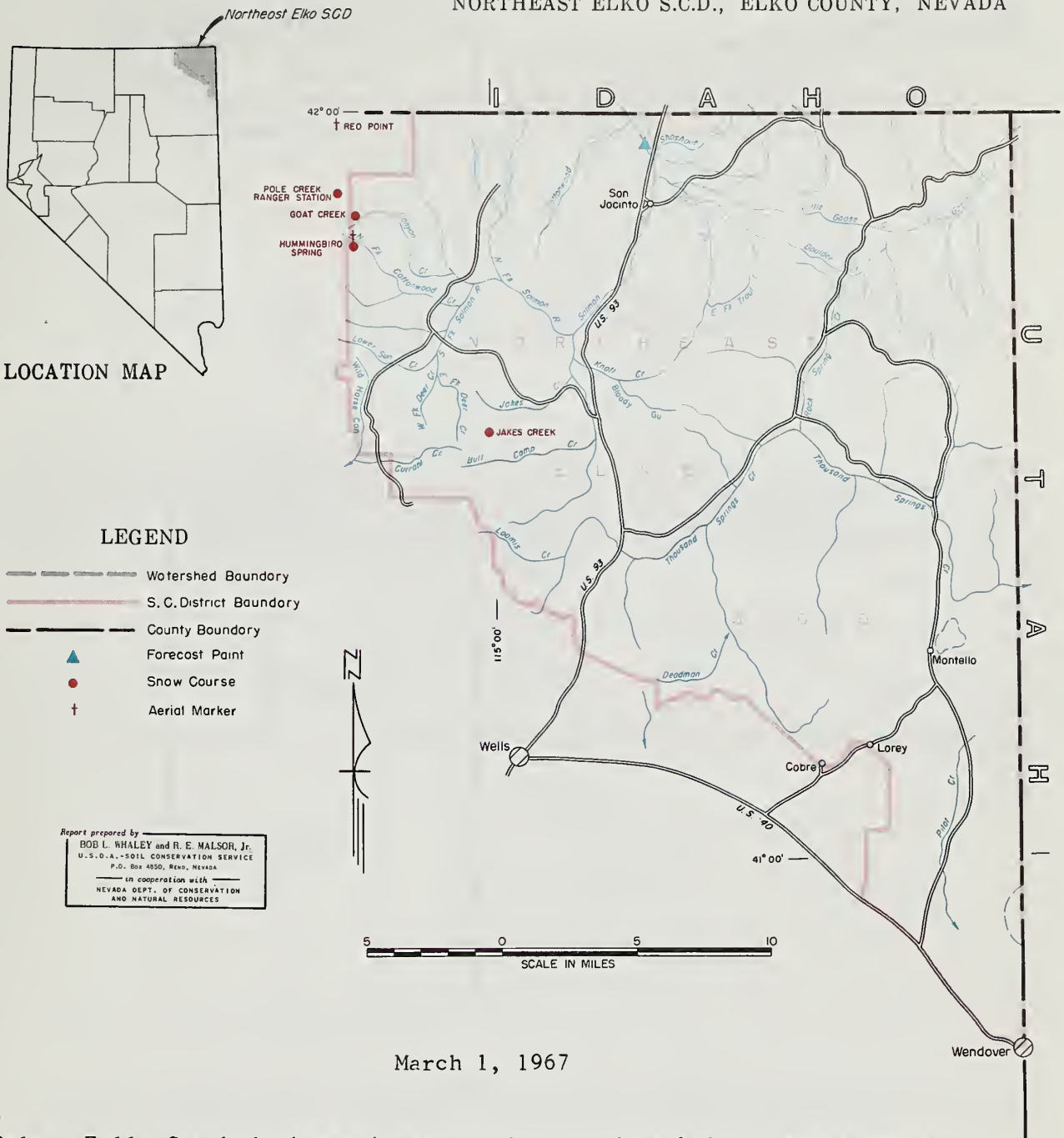
March 1, 1967

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
American Beauty	7800	2/26	27	8.8a	7.2a	---
Cave Creek	7500	2/28	36	12.0	16.7	13.5
Corral Canyon	8500	2/26	27	9.4a	7.7a	16.0*
Dorsey Basin	8100	2/27	36	10.2	8.4	10.5
Dry Creek	6500	2/27	12	3.7	5.7	4.6
Green Mountain	8000	2/28	32	9.6	10.6	11.8*
Hager Canyon	8000	2/28	46	16.5	18.2	18.0
Harrison Pass #1	6600	2/28	15	4.1	5.2	4.2
Harrison Pass #2	7400	2/28	22	6.0	6.3	5.9*
Hole-in-Mountain	7900	3/2	48	19.0	12.6	17.6*
Lamoille #1	7100	2/27	32	9.6	9.3	9.3
Lamoille #2	7300	2/27	30	8.8	9.0	8.8
Lamoille #3	7700	2/27	36	11.6	9.2	11.4
Lamoille #4	8000	2/27	52	17.3	13.1	16.6
Lamoille #5	8700	2/27	59	21.8	17.1	24.3*
Pole Canyon	9140	2/26	9	2.7a	1.3a	---
Ryan Ranch	5800	2/27	T	T	4.0	1.9
Trout Creek, Lower	6900	3/1	15	3.9	5.6	3.1*
Trout Creek, Upper	8500	2/26	12	4.2a	11.6a	18.7*
Robinson Lake	9200	2/26	63	22.0a	19.0a	---



# WATER SUPPLY OUTLOOK

## NORTHEAST ELKO S.C.D., ELKO COUNTY, NEVADA



Salmon Falls Creek drainage is expected to produce below average stream-flow for this year's irrigation season.

The mountain snowpack is near average, but watershed soils are a little drier than last year and will absorb some snow-melt water.

Streamflow forecasts for the Salmon Falls Creek, near San Jacinto, are as follows:

March-July	53,000 Acre-feet	70 percent of average
March-September	55,000 Acre-feet	70 percent of average

# STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE

## NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. • 1948-62 adjusted average.

# APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
Salmon Falls Creek near San Jacinto			
March-September	55	36	78
March-July	53	33	76
Forecasts issued by SCS, Boise, Idaho			

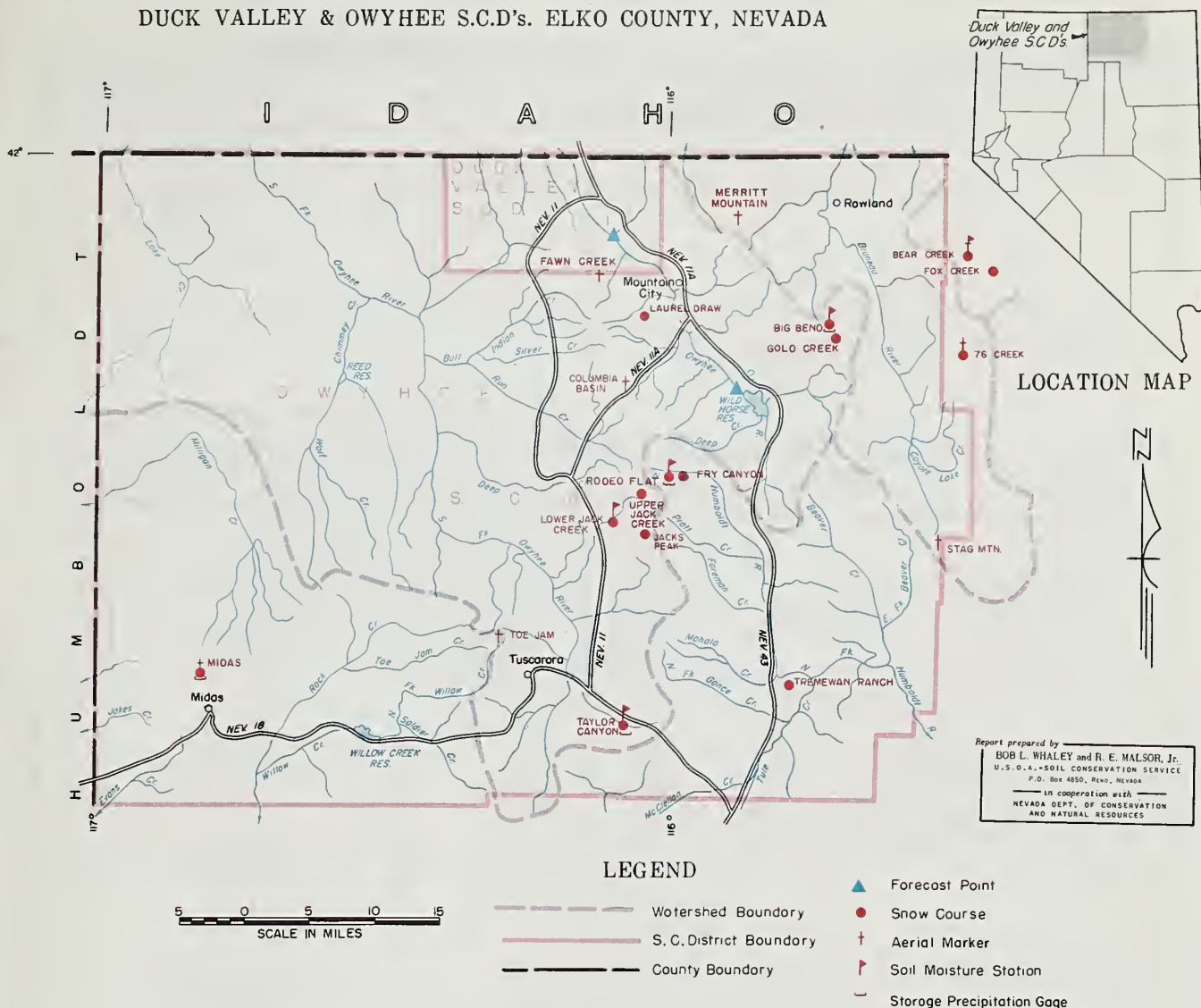
# SNOW

March 1, 1967

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Goat Creek	8800	2/27	44	15.2	11.8	15.9*
Hummingbird Springs	8945	2/27	56	19.4	14.3	18.4*
Jakes Creek	7000	Report delayed			---	4.0*
Pole Creek Ranger Station	8330	2/27	47	16.3	12.8	15.7*
Red Point	7940	2/27	28	10.0	9.3	---

# WATER SUPPLY OUTLOOK

DUCK VALLEY & OWYHEE S.C.D.'s. ELKO COUNTY, NEVADA



March 1, 1967

Duck Valley and Owyhee SCD's are expected to have a below average irrigation water supply again this season.

The water content of the snow pack is better than last year and about 92 percent of the March 1 average, but storage in Wild Horse Reservoir is well below average.

Watershed soils are fairly well primed and should not soak up much snow-melt water as runoff begins.

Streamflow forecasts indicate below average flows can be expected on all streams. The Owyhee, near Gold Creek, is forecast to flow 15,000 acre-feet, or 68 percent of the 1948-62 average for the April through July irrigation season. The Owyhee, near Owyhee, is expected to flow 50,000 acre-feet, or 68 percent of average. These two stations had April-July flows of 6,000 and 21,000 acre-feet respectively last year, when precipitation during the forecast period fell to near record lows.



# STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Wild Horse	33	3	17	14

## NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. \* 1948-62 adjusted average.

# APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1. Owyhee River near Owyhee **	50	21	74
2. Owyhee River near Gold Creek **	15	6	22

\*\* Corrected for change in storage in Wild Horse Reservoir.

# SNOW

March 1, 1967

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Bear Creek	7800	2/27	51	18.1	11.9	16.6*
Big Bend	6700	2/24	25	6.5	5.5	8.5
Columbia Basin	6650	2/26	27	8.1a	5.2a	---
Fawn Creek	7000	2/26	21	6.5a	3.8a	---
Fox Creek	6800	2/27	30	9.1	8.5	9.4*
Fry Canyon	6700	2/24	23	6.9	6.5	7.8
Gold Creek	6600	2/24	16	4.6	3.1	6.1*
Jack Creek, Upper	7250	2/26	22	6.6a	5.5a	9.5*
Laurel Draw	6700	2/23	25	7.7	6.2	7.9*
Merritt Mountain	7800	2/26	30	7.8a	T a	---
Midas	7200	2/26	10	3.2a	T a	---
Rodeo Flat	6800	2/24	17	4.9	5.0	7.3
76 Creek	7100	2/27	31	9.6	5.9a	11.5*
Stag Mountain	7700	2/26	21	6.1a	2.6a	---
Taylor Canyon	6200	2/25	23	6.5	5.4	4.6
Toe Jam	7700	2/26	34	10.0a	7.5a	---
Tremewan Ranch	5700	2/25	9	3.0	3.0	1.4

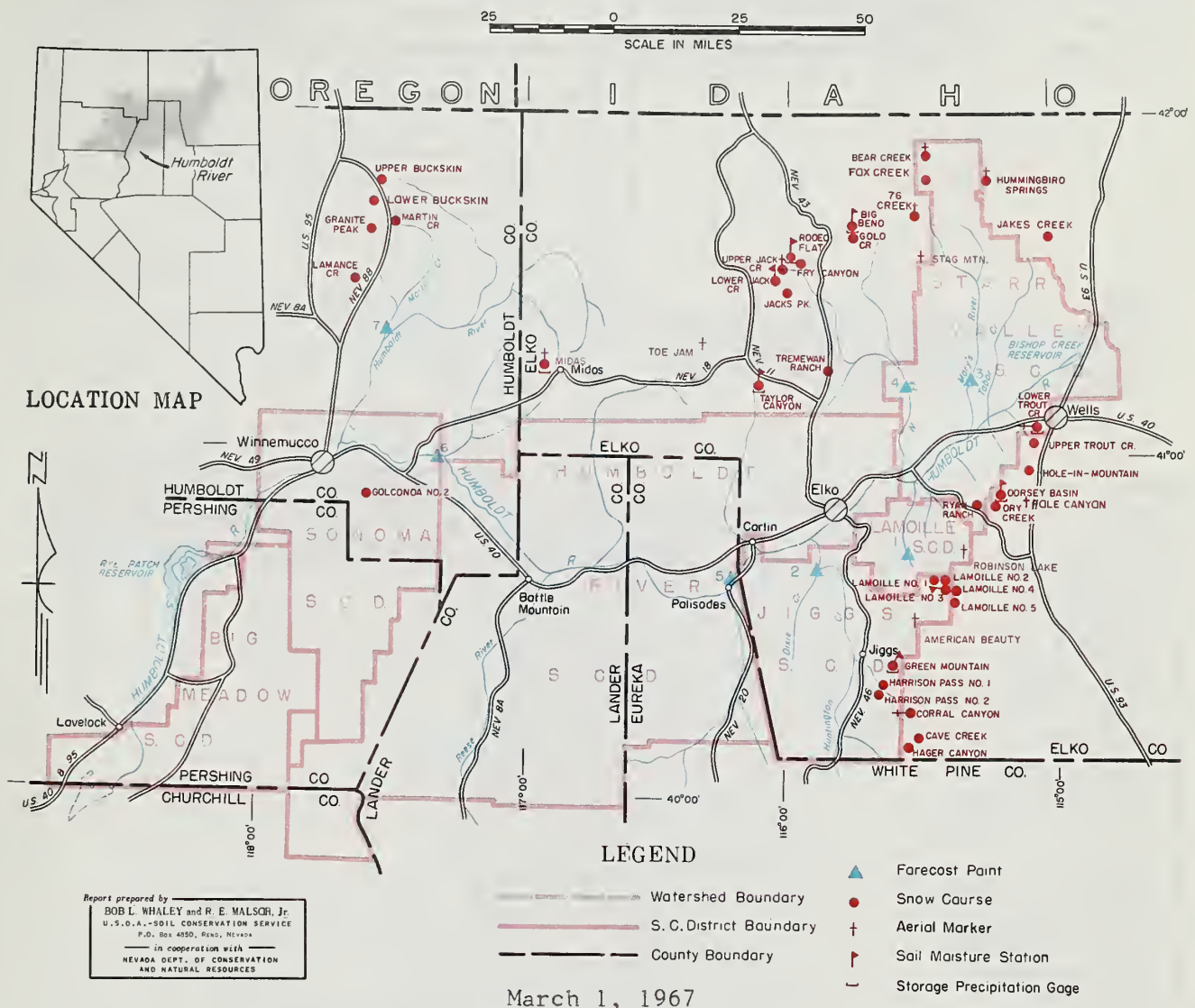
# SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
Bear Creek	7800	72	16.9	2/27	8.7	11.0	13.7
Big Bend	6700	48	16.7	2/24	15.1	15.1	15.7
Rodeo Flat	6800	42	11.0	2/24	10.5	10.6	8.9
Taylor Canyon	6200	48	15.1	3/6	12.2	12.4	12.6



# WATER SUPPLY OUTLOOK

HUMBOLDT RIVER  
CHURCHILL, ELKO, EUREKA, HUMBOLDT, LANDER & PERSHING COUNTIES, NEVADA



Lovelock Valley water users can expect below-average water supply this season and should practice good irrigation water management to conserve as much water as possible. The water content of the snowpack in the Humboldt Basin is 89 percent of the March 1 average and is only 4 percent better than last year at this time. Rye Patch Reservoir held 73,000 acre-feet on March 1, compared with 179,000 a year ago and a 15-year average of 63,000 acre-feet.

Streamflow forecasts for the April-July period are as follows: Humboldt at Comus, 74,000 acre-feet (58%); Humboldt at Palisade 115,000 acre-feet (66%); South Fork Humboldt near Elko 46,000 acre-feet (77%); North Fork Humboldt 27,000 acre-feet (79%); and Lamoille Creek forecast is 25,000 acre-feet, 96 percent of its April-July average. The Marys River is forecast to flow 26,000 acre-feet, or 76 percent of average.

The Pershing County Water Conservancy District set an initial allotment of 1.5 acre-feet for water users under the Rye Patch Reservoir. This allotment is subject to revision if more water becomes available as the season progresses. Water users on natural streamflow are expected to have late season shortages again this year, unless above-average precipitation occurs during the summer.

## STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Rye Patch	179	73	179	63

## NOTE:

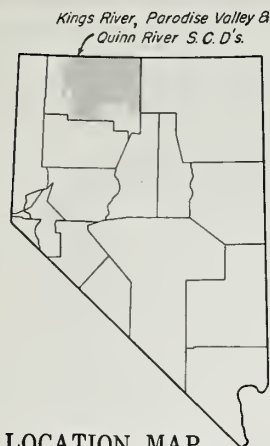
All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. \* 1948-62 adjusted average.

## APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1. Lamoille Creek near Lamoille	25	7	26
2. S. Fk. Humboldt River near Elko	46	11	60
3. Marys River above Hot Springs Creek	26	11	34
4. No. Fk. Humboldt at Devils Gate	27	7	34
5. Humboldt River at Palisade	115	54	173
6. Humboldt River at Comus	74	40	127
7. Martin Creek near Paradise Valley	12	5	17

## SNOW

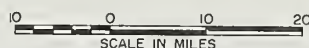
SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (inches)	WATER CONTENT (inches)	WATER CONTENT (inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Big Bend	6700	2/24	25	6.5	5.5	8.5
Fawn Creek	7000	2/26	21	6.5a	3.8a	---
Fry Canyon	6700	2/24	23	6.9	6.5	7.8
Gold Creek	6600	2/24	16	4.6	3.1	6.1*
Rodeo Flat	6800	2/24	17	4.9	5.0	7.3
76 Creek	7100	2/27	31	9.6	5.9a	11.5*
Stag Mountain	7700	2/26	21	6.1a	2.6a	---
Taylor Canyon	6200	2/25	23	6.5	5.4	4.6
Tremewan Ranch	5700	2/25	9	3.0	3.0	1.4
American Beauty	7800	2/26	27	8.8a	7.2a	---
Cave Creek	7500	2/28	46	16.5	16.7	13.5
Corral Canyon	8500	2/26	27	9.4a	7.7a	16.0*
Dorsey Basin	8100	2/27	36	10.2	8.4	10.5
Dry Creek	6500	2/27	12	3.7	5.7	4.6
Green Mountain	8000	2/28	32	9.6	10.6	11.8*
Hager Canyon	8000	2/28	46	16.5	18.2	18.0
Harrison Pass #1	6600	2/28	15	4.1	5.2	4.2
Harrison Pass #2	7400	2/28	22	6.0	6.3	5.9*
Hole-in-Mountain	7900	3/2	48	19.0	12.6	17.6*
Lamoille #1	7100	2/27	32	9.6	9.3	9.3
Lamoille #2	7300	2/27	30	8.8	9.0	8.8
Lamoille #3	7700	2/27	36	11.6	9.2	11.4
Lamoille #4	8000	2/27	52	17.3	13.1	16.6
Lamoille #5	8700	2/27	59	21.8	17.1	24.3*
Pole Canyon	9140	2/26	9	2.7a	1.3	---
Robinson Lake	9200	2/26	63	22.0a	19.0a	---
Ryan Ranch	5800	2/27	T	T	4.0	1.9
Trout Creek, Lower	6900	3/1	15	3.9	5.6	3.1*
Trout Creek, Upper	8500	2/26	12	4.2a	11.6a	18.7*
Golconda #2	6000	2/28	12	4.4	5.6	3.5*
Midas	7200	2/26	10	3.2a	T a	---



# WATER SUPPLY OUTLOOK

## KINGS RIVER, PARADISE VALLEY & QUINN RIVER S.C.D's.

### HUMBOLDT COUNTY, NEVADA

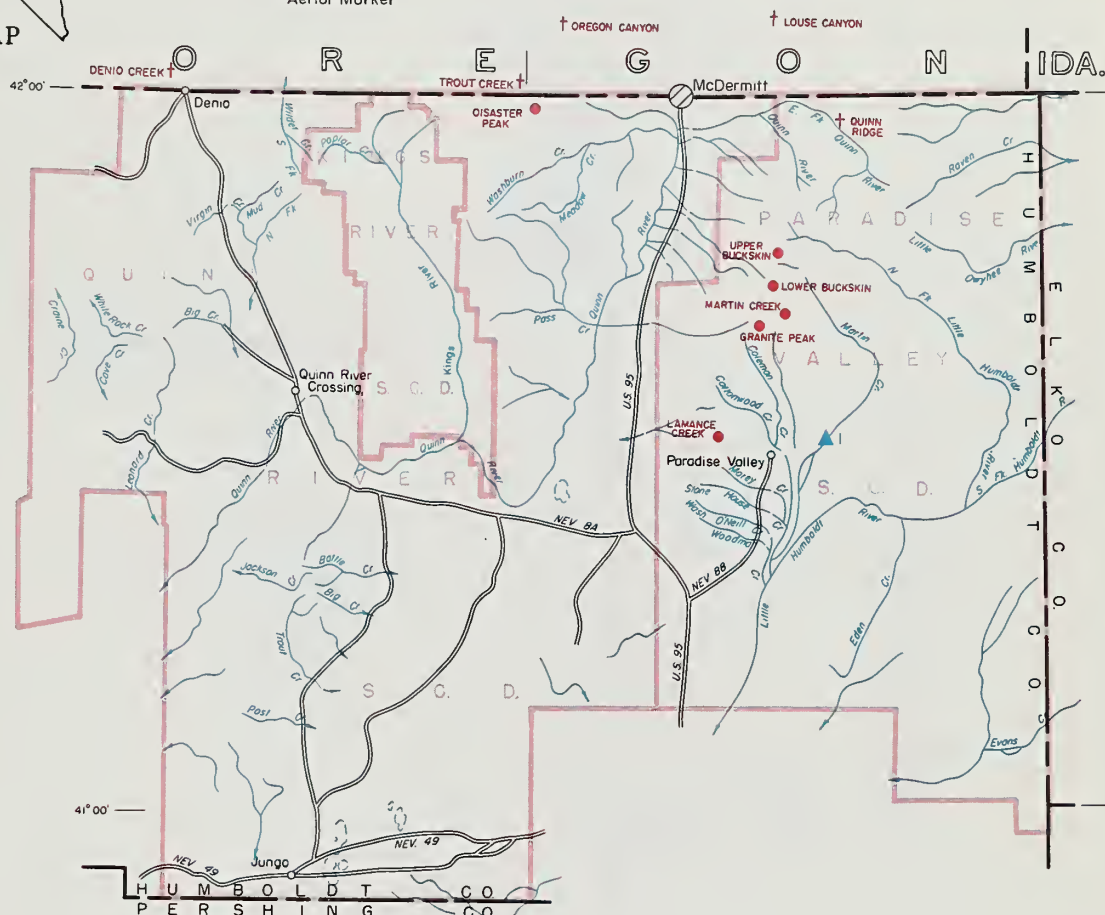
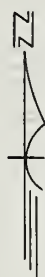


#### LEGEND

- Watershed Boundary
- S.C. District Boundary
- County Boundary
- ▲ Forecast Point
- Snow Course
- † Aerial Marker

Report prepared by  
BOB L. WHALEY and R. E. WALSON, Jr.  
U.S.O.A.-SOIL CONSERVATION SERVICE  
P.O. Box 4850, Reno, Nevada  
in cooperation with  
NEVADA DEPT. OF CONSERVATION  
AND NATURAL RESOURCES

#### LOCATION MAP



March 1, 1967

The water supply outlook for the coming irrigation season in Paradise Valley is "below average" again this year.

Water content of the snowpack on the Santa Rosa Mountains is better than last year at this time, but streamflow forecasts still are well below average.

Martin Creek is forecast to flow 12,000 acre-feet during the April-July period, or 71 percent of average for the 1948-62 period. Late season shortages are expected, if the below average precipitation continues during the forecast period.



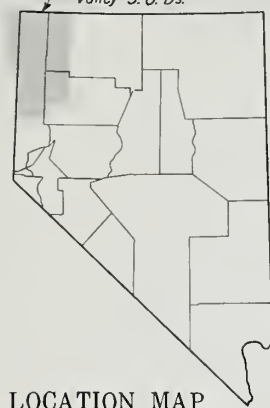




# WATER SUPPLY OUTLOOK

VYA & GERLACH S.C.D.'S., NEVADA and SURPRISE VALLEY S.C.D., CALIFORNIA

Vya, Gerlach & Surprise Valley S.C.D.'s



LOCATION MAP

Report prepared by  
BOB L. WHALEY and R. E. MALSON, JR.  
U.S.D.A., SOIL CONSERVATION SERVICE  
P.O. Box 4850, Reno, Nevada  
in cooperation with  
NEVADA DEPT. OF CONSERVATION  
AND NATURAL RESOURCES

10 0 10 20  
SCALE IN MILES



## LEGEND

- Watershed Boundary
- S.C. District Boundary
- County Boundary
- Forecast Point
- Snow Course
- Aerial Marker



March 1, 1967

The 1967 water supply outlook for Surprise Valley is only "fair" again this season.

Water content of the snowpack in Surprise Valley and Vya SCD's is 95 percent of average and 20 percent better than last year at this time.

Streamflow for the April-September period is expected to be less than usual, with Bidwell Creek forecast to flow 10,500 acre-feet, or 73 percent of average. Mill Creek forecast is 4,100 acre-feet, or 75 percent. Eagle Creek is expected to flow 4,000 acre-feet, or 77 percent of average. Deep Creek is forecast to flow 2,700 acre-feet, or 71 percent of average.

Cedarville precipitation for the October-February period was 7.51 inches compared with 3.94 inches last year and an average of 7.56 inches.

# STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE

# APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
Bidwell Creek near Fort Bidwell	10.5	**	14.3*
Mill Creek above all diversions	4.1	2.3	5.5
Deep Creek above all diversions	2.7	1.6	3.8
Eagle Creek near mouth of canyon	4.0	**	5.2

Note: April-Sept. forecasts.

Coordinated forecasts of SCS and California Dept. of Water Resources Snow Survey Units.

## NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. \* 1948-62 adjusted average. \*\* Last year's flow

for these streams not available at this time.

## SNOW

March 1, 1967

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
					LAST YEAR	AVERAGE
NAME	ELEVATION					
Bald Mountain	6720	2/28	14	4.8	2.7	3.5
Barber Creek (Calif.)	6500	2/27	32	10.4	7.6	10.5*
Cedar Pass (Calif.)	7100	2/27	41	11.8	10.5	13.8
Dismal Swamp (Oregon)	7000	2/27	46	15.2a	10.4a	15.8*
49 Mountain	6000	2/24	15	5.0	3.4	4.3*
Hays Canyon	6400	2/24	12	4.1	2.3	3.8*
Little Bally Mountain	6000	2/27	7	2.3a	3.2a	---
Reservation Creek (Calif.)	5900	2/27	26	8.0	9.4	10.4*

## Agencies Cooperating in Collecting Data Contained in this Bulletin

### FEDERAL

Agricultural Research Service  
Army  
Bureau of Reclamation  
Fish and Wildlife Service  
Forest Service  
Geological Survey  
Navy  
Soil Conservation Service  
U.S. District Court - Federal Water Master  
Weather Bureau

### STATE

California Cooperative Snow Surveys  
California Department of Parks and Recreation  
California Department of Water Resources  
Colorado River Commission of Nevada  
Nevada Association of Soil Conservation Districts  
Nevada Cooperative Snow Surveys  
Nevada Department of Conservation & Natural Resources  
    Division of Water Resources  
    Nevada State Forester-Firewarden  
Oregon Cooperative Snow Surveys  
University of Nevada  
White Mountain Research Station, Univ. of California

### PRIVATE

Amalgamated Sugar Company  
Kennecott Copper Corporation  
Nevada Irrigation District  
Owyhee Project North Board of Control  
Owyhee Project South Board of Control  
Pacific Gas & Electric Company  
Pershing County Water Conservation District  
Sierra Pacific Power Company  
Squaw Valley Development Company  
Truckee-Carson Irrigation District  
Virginia City Water Company  
Walker River Irrigation District  
Washoe County Water Conservation District

Other organizations and individuals furnish valuable information for the snow survey reports. Their Cooperation is gratefully acknowledged.

UNITED STATES DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE  
P.O. Box 4850  
RENO, NEVADA 89505  
OFFICIAL BUSINESS

U. S. DEPARTMENT OF AGRICULTURE  
POSTAGE AND FEES PAID

FIRST CLASS MAIL

FEDERAL - STATE - PRIVATE  
**COOPERATIVE SNOW SURVEYS**

Furnishes the basic data  
necessary for forecasting  
water supply for irrigation,  
domestic and municipal water  
supply, hydro-electric power  
generation, navigation,  
mining and industry

*"The Conservation of Water begins  
with the Snow Survey"*